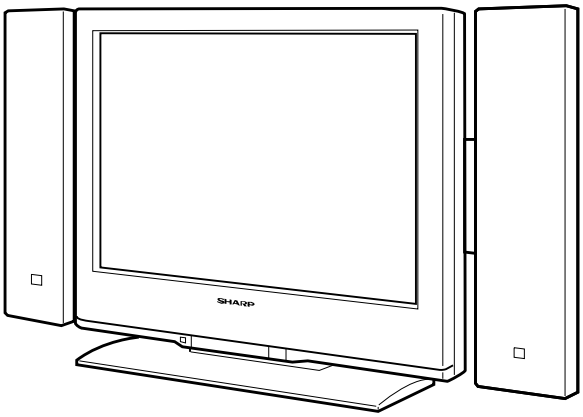
SHARP SERVICE MANUAL

S11O1LC-20A2E



LCD COLOUR TELEVISION

MODEL LC-20A2E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be perfomed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

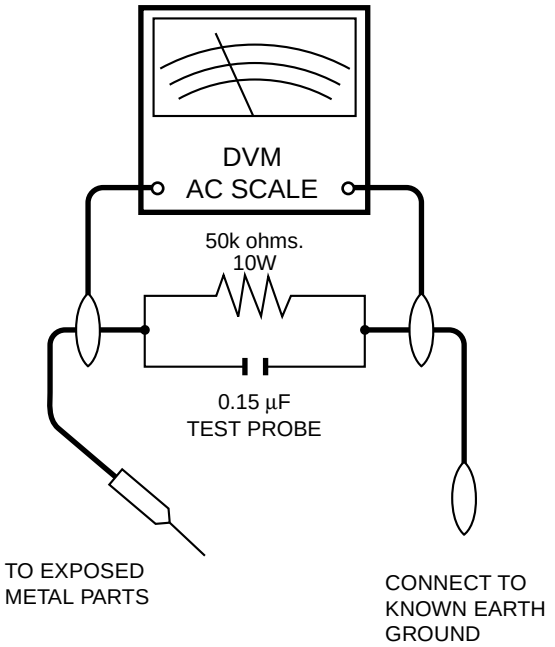
CAUTION
FOR CONTINUED PROTECTION
AGAINST A RISK OF FIRE REPLACE
ONLY WITH SAME TYPE FUSE.
F1 (2A, 250V), F2 (1.6A, 250V), F3 (1.6A, 250V),
F4 (315mA, 250V) FUSE.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resisor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75V peak (this corresponds to 0.5 milliamp. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the ***Replacement Parts Lists*** and ***Schematic Diagrams***.
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

ELECTRICAL SPECIFICATIONS

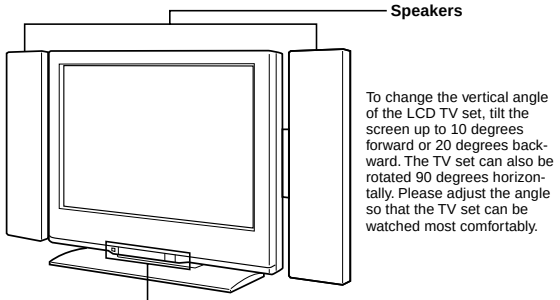
Items	20" LCD COLOUR TV, Model: LC-20A2E
LCD panel	20" TFT LCD
Number of pixels	921,600 dots
Video colour system	PAL/SECAM/NTSC
TV FUNCTION	
TV Standard (CCIR)	BG/L/DK, I, M, N
TV Tuning System	Auto preset 200 ch.
STEREO/BILINGUAL	NICAM, IGR
AUTO PRESET	Yes
CATV	~Hyper Band
Brightness	450 cd/m^2
Lamp life	40,000 hours
Viewing angles	H: 160° V: 160°
Audio amplifier	2.6 W × 2
Speakers	80 mm ϕ 2 pcs.
Terminals	
AV-IN1	RGB, VIDEO, AUDIO
AV-IN2	S-VIDEO, VIDEO, AUDIO
OUT	AUDIO
Antenna	DIN
Headphones	3.5 mm ϕ jack (Front)
OSD language	English/German/French/Spanish/Italian/Swedish/Dutch
Power requirement	DC 13V, AC 110 - 240 V, 50/60 Hz
Weight	10.5 kg, incl. stand, excl. accessories
Accessories	R/C, Batteries, AC adaptor, AC cord, Speaker nets, Operation manual, Cable clamp

Specifications are subject to change without prior notice.

OPERATION MANUAL

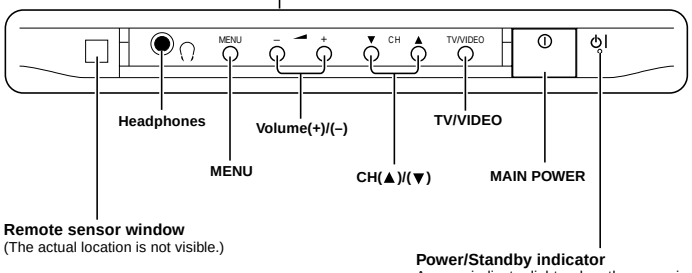
Controls

Front view



To change the vertical angle of the LCD TV set, tilt the screen up to 10 degrees forward or 20 degrees backward. The TV set can also be rotated 90 degrees horizontally. Please adjust the angle so that the TV set can be watched most comfortably.

Front control panel



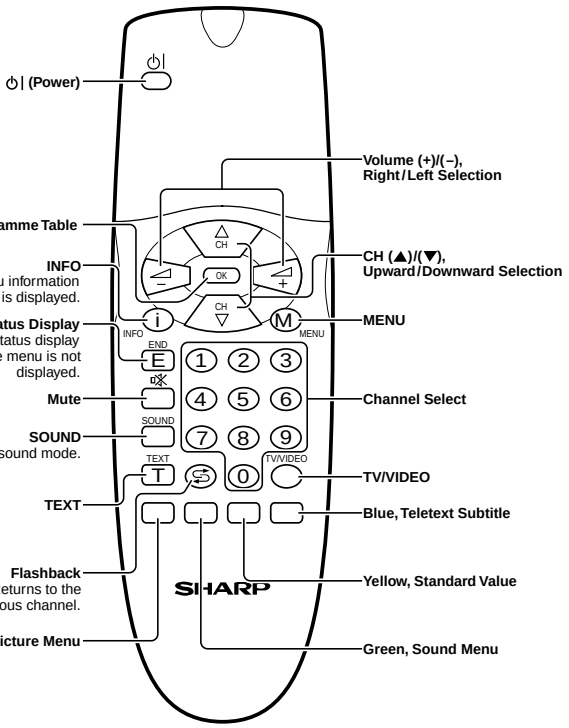
Remote sensor window
(The actual location is not visible.)

Power/Standby indicator
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).

Note:

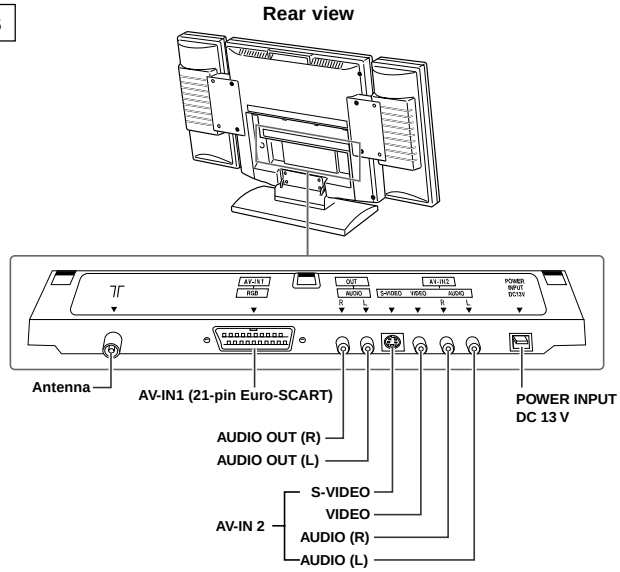
■ **TV/VIDEO**, **CH(▲)/(▼)**, and **Volume (+)/(–)** on the main unit have the same functions as the same buttons on the remote control. Fundamentally, this operation manual provides a description based on operation using the remote control.

Remote control



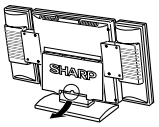
Terminals

Rear view

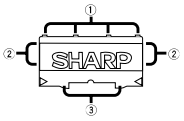


Removing Back Cover

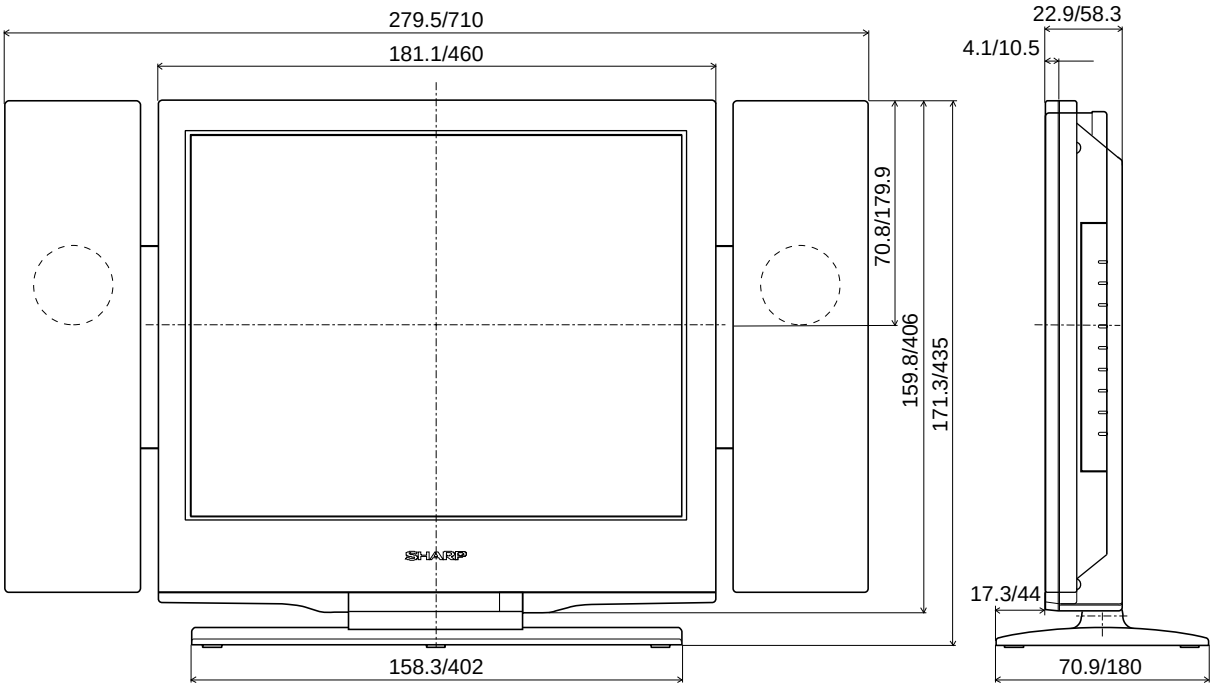
■ When connecting the cords to the terminals, remove the back cover by gently pulling the part marked ◯ forward.

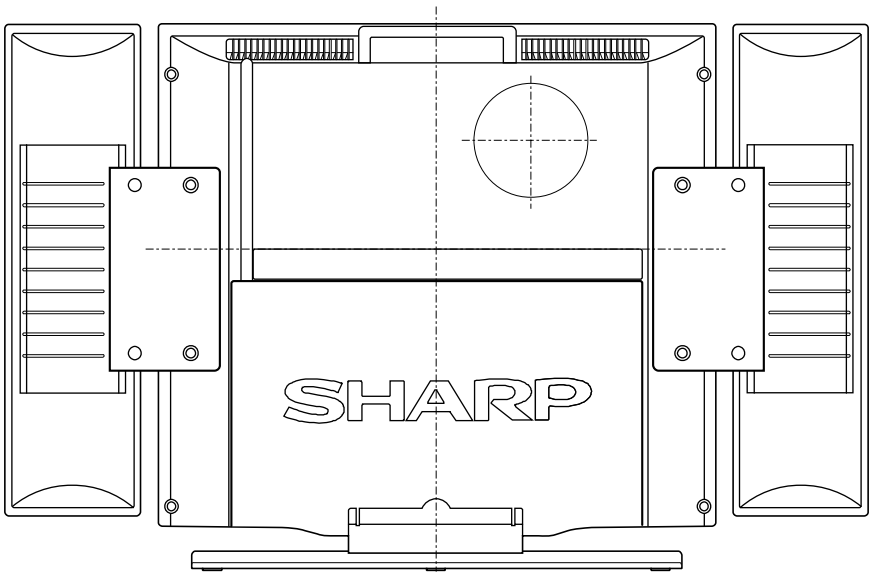


■ To replace the back cover, first fit the four top clips (①) into the corresponding slots of the terminal section, and then align the four side clips (②) with the corresponding slots. Then, press the marked parts (③) until the two hooks on the bottom of the cover lock in place with a click.



OUTLINE DIMENSION FIGURE

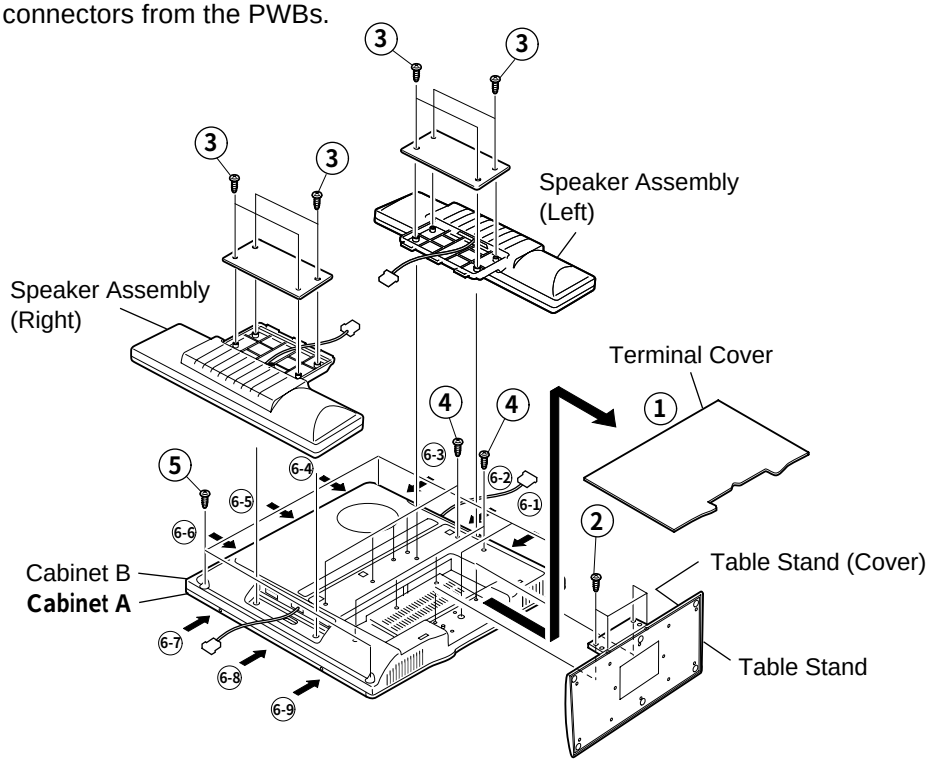


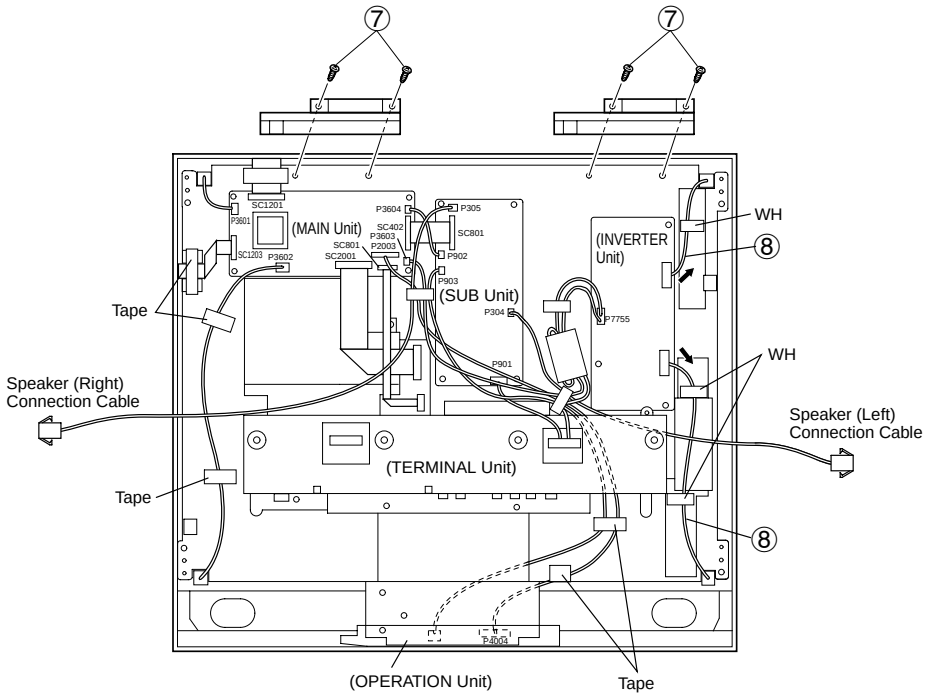


Unit: mm

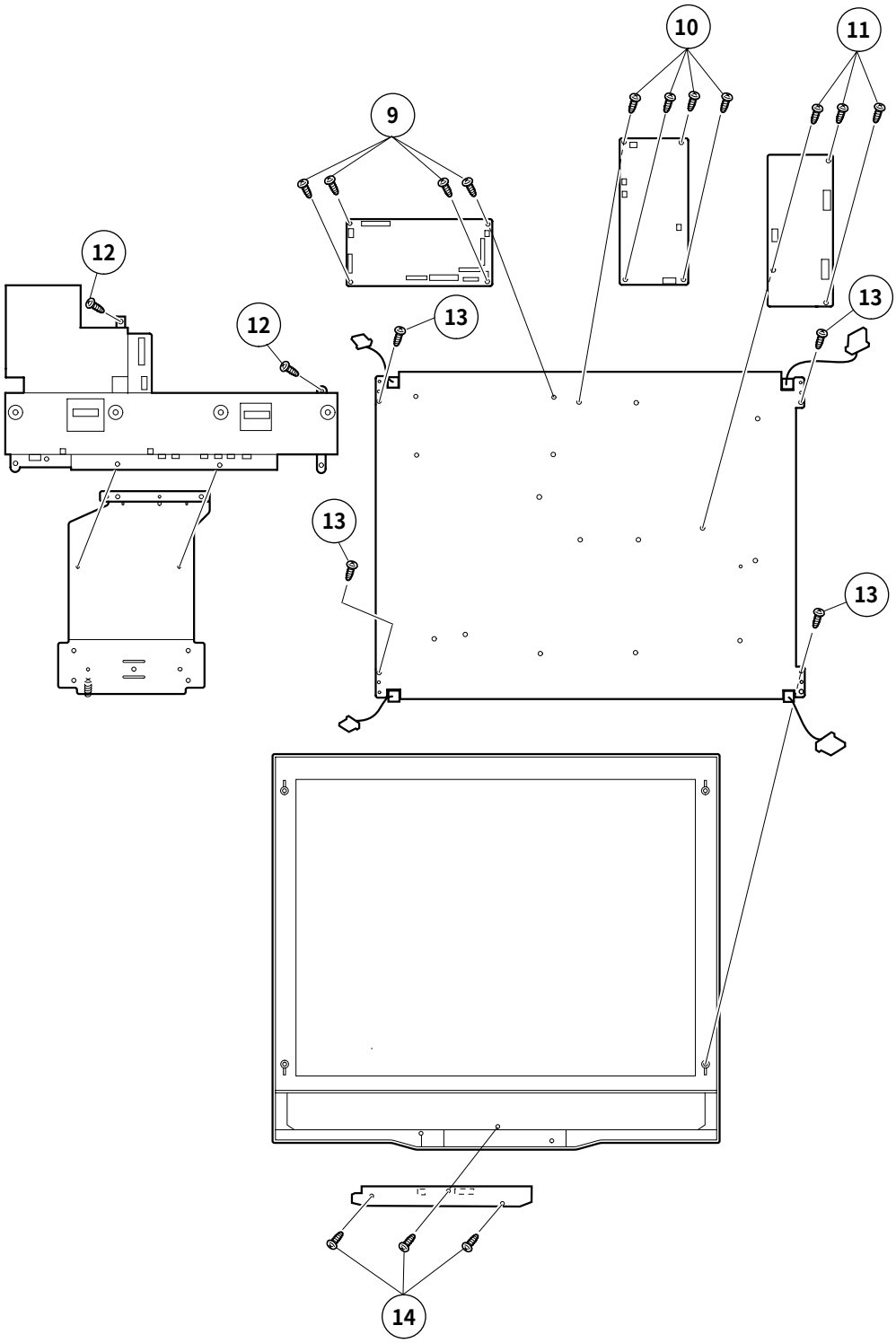
REMOVING OF MAJOR PARTS

1. Detach the terminal cover.
2. Remove the four lock screws from the table stand.
3. Remove the four lock screws each from the left and right speakers. Disconnect the connectors and detach the speaker assemblies.
4. Remove the ten lock screws from the terminals.
5. Remove the five lock screws from the cabinet B.
6. Undo the nine hooks off the cabinet B: Press the hook (6-1) first and then the hooks (6-2) thru (6-9) in this order. Detach the cabinet B.
7. Undo the four screw and three wire holders and peel off the 5 pieces of tape. Disconnect the connection cables.
   (Note: Some pieces of tape are located below the PWBs. To access such tape, detach the PWBs, peel off the tape and disconnect the cables.)
8. Disconnect the connectors from the PWBs.



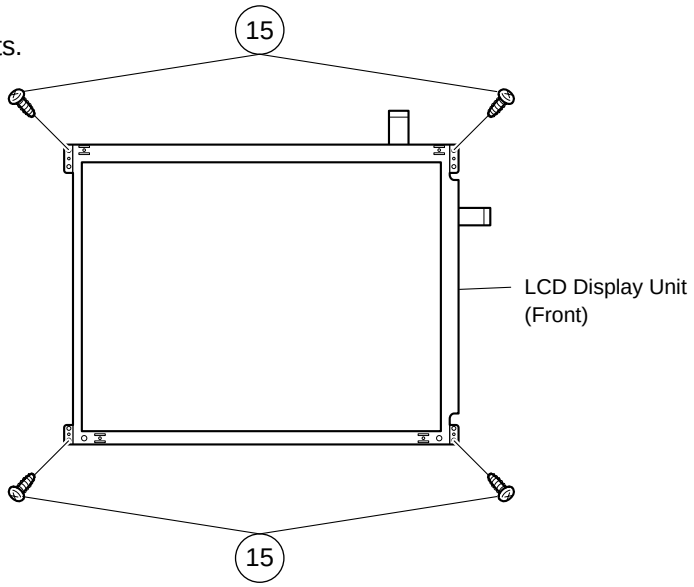


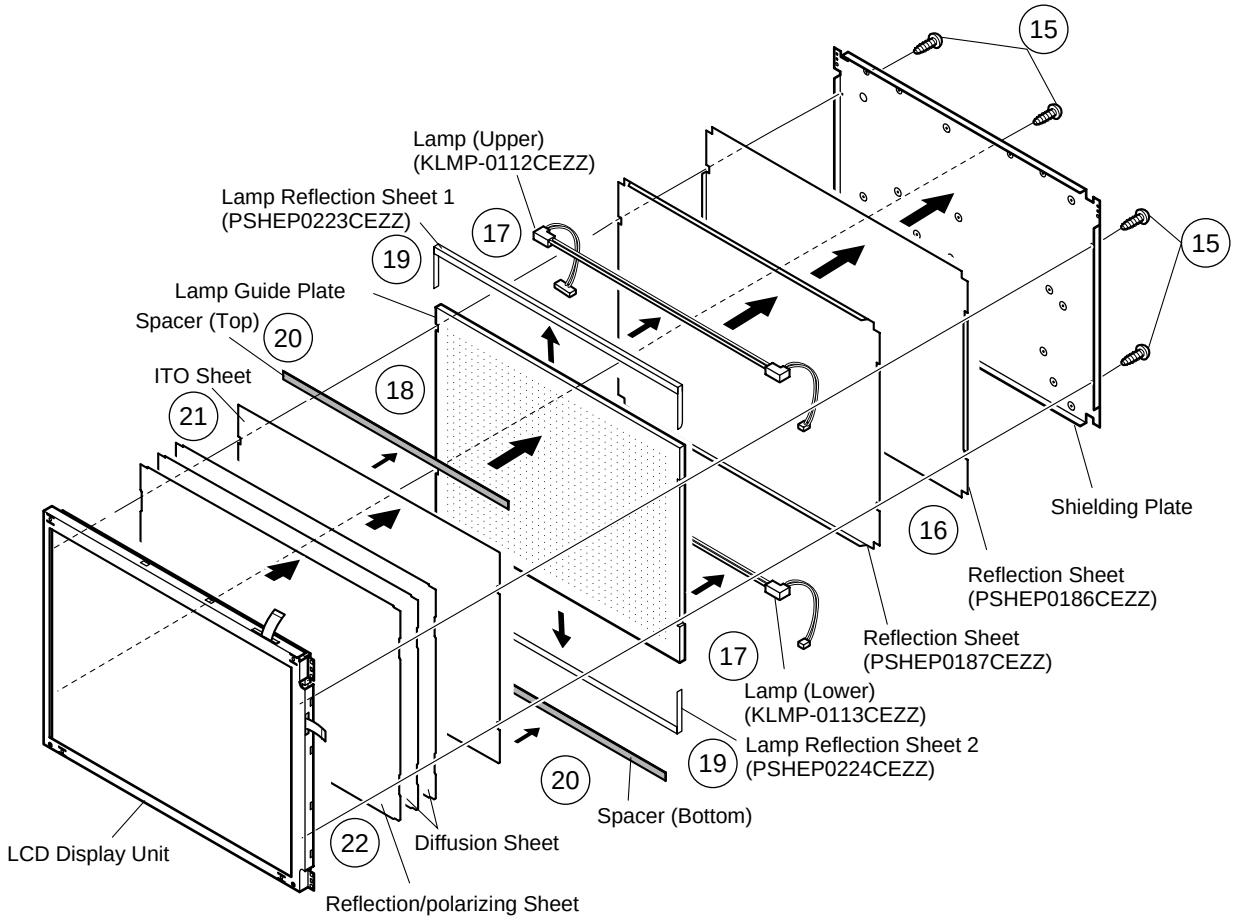
9. Remove the four lock screws from the MAIN PWB.
10. Remove the four lock screws from the SUB PWB.
11. Remove the three lock screws from the INVERTER PWB.
12. Remove the lock screw from the TUNER PWB and the lock screw from the grounding terminal. Detach the reinforcement plate too.
13. Remove the two lock screws from the LCD display unit.
14. Remove the three lock screws from the SWITCH PWB.



- Precautions in handling the LCD panels
  1. Work in a clean room (with humidities below 50%).
  2. Be sure to wear an anti-static armband.
  3. Handle the panels on an electroconductive mat.
  4. Be careful not to fall, shake and shock the panels.

15. Remove the four lock screws from the front of the LCD display unit and the three lock screws from its back. Detach the shielding plate.
16. Detach the two reflection sheets.
17. Detach the upper and lower lamps.
18. Remove the photoconductive plate.
19. Detach the top and bottom lamp reflection sheets.
20. Detach the top and bottom spacer.
21. Detach the ITO sheet.
22. Detach the diffusion sheet and reflection/polarizing sheet.





ADJUSTING PROCEDURE OF EACH SECTION

[1] Entering the MAIN side adjustment process mode

There are three methods below.

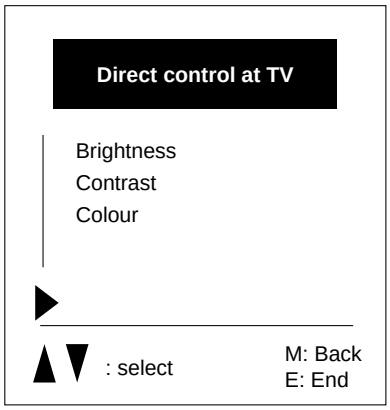
1) Press the “Adjustment process key” on the remote control after turning on the power.
2) Pressing both the MENU key and the TV/VIDEO key on the main body, turn on the power. Then, press the volume DOWN key and the tuning UP key at the same time.
3) Turn on the power with falling either KEY4 (pin 81 of microcomputer) or KEY5 (pin 82 of microcomputer) to “L”.

[Note] For the method 3), the ROM is initialized at the same time. Therefore, 3) must be executed if IC2004 or IC2001 is changed. For 1) or 2), the main body only enters the MAIN side adjustment process.

[2] Entering the TUNER side adjustment process mode

4) Entering the TUNER side adjustment process

MENU key on the main body → Tuning UP key (remote control) → Select the position shown in the figure below and press the M key (remote control) within 1 second. → Enters the adjustment process.



[3] Adjustment

MAIN side adjustment (Press the “M” key to move the cursor and press the volume UP/DOWN key to make an adjustment.)

- Power supply voltage adjustment (+B 5V)
- Model setting
- Inch size setting
- COMMON BIAS adjustment of LCD module
- CUTOFF adjustment

TUNER side adjustment (Press the tuning UP/DOWN key to move the cursor and press the volume UP/DOWN key to make an adjustment.)

- Horizontal size adjustment (LCD adjustments)
- Video adjustment (other adjustments)

  Y delay
  Subcontrast
  Subcolour
  Subbrightness
  Tint offset
  AGC gain start

The TUNER side adjustment is possible. However, it is recommended to replace EAROM (I2).

		PAL/PAL60	SECAM	NTSC
RF	y delay	7	6	0
	tint offset	0	0	0
	sub contrast	2	2	0
	sub colour	25	25	0
AV1/ AV2	y delay	7	5	4
	tint offset	1	1	1
	sub contrast	0	2	0
	sub colour	30	30	20
AVS	y delay	7	5	1
	tint offset	1	1	1
	sub contrast	0	0	0
	sub colour	30	30	30
AGC gain start		27		

3-1. +B adjustment
Page 9 of MAIN side adjustment process +B-ADJ
Adjust the voltage of the pin 12 of SC901 the SUB PWB to 5.0V±0.05V.

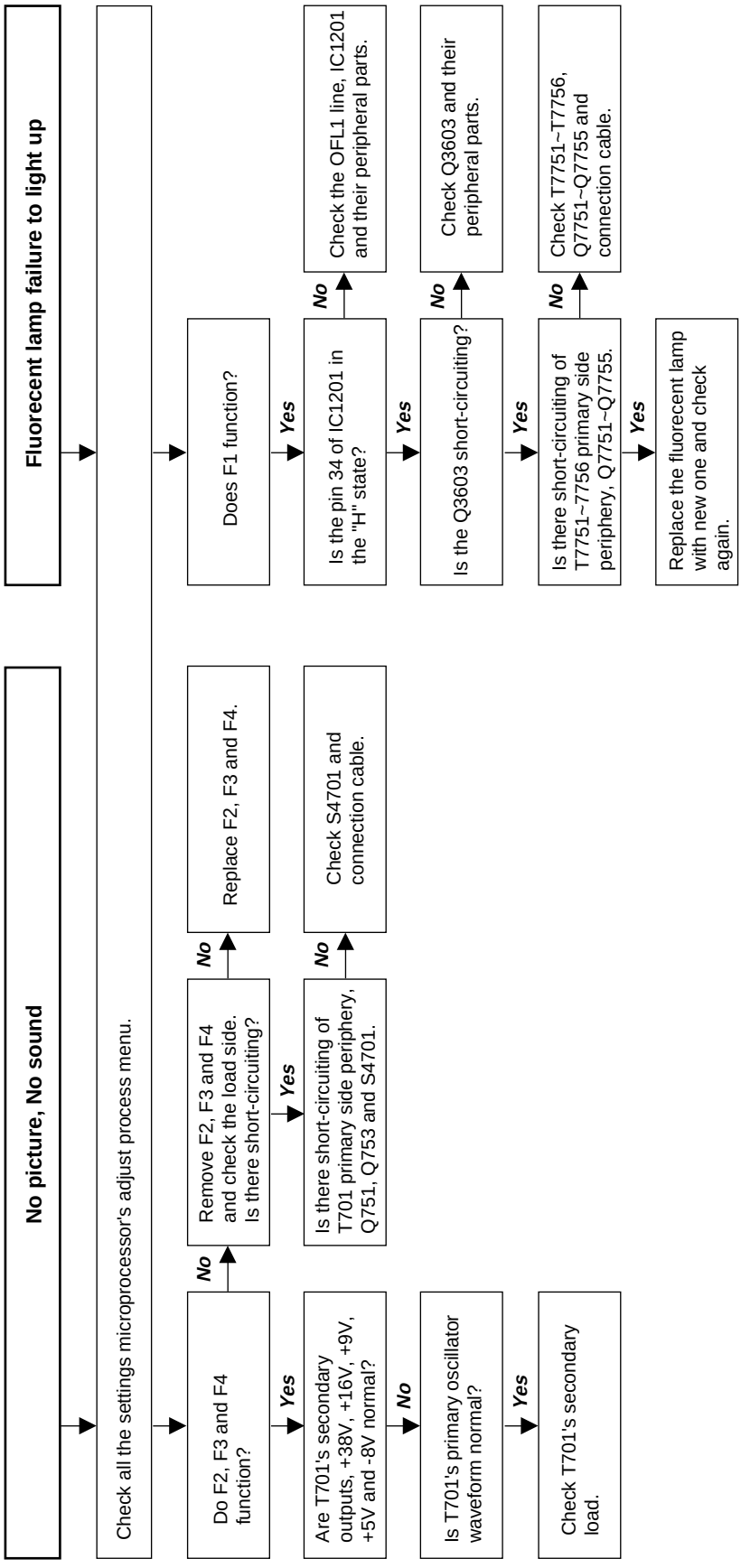
3-2. Model setting
Page 9 of MAIN side adjustment process MODEL
Set to A2E.

3-3. Inch size setting
Page 9 of MAIN side adjustment process INCH SIZE
Set to 20.

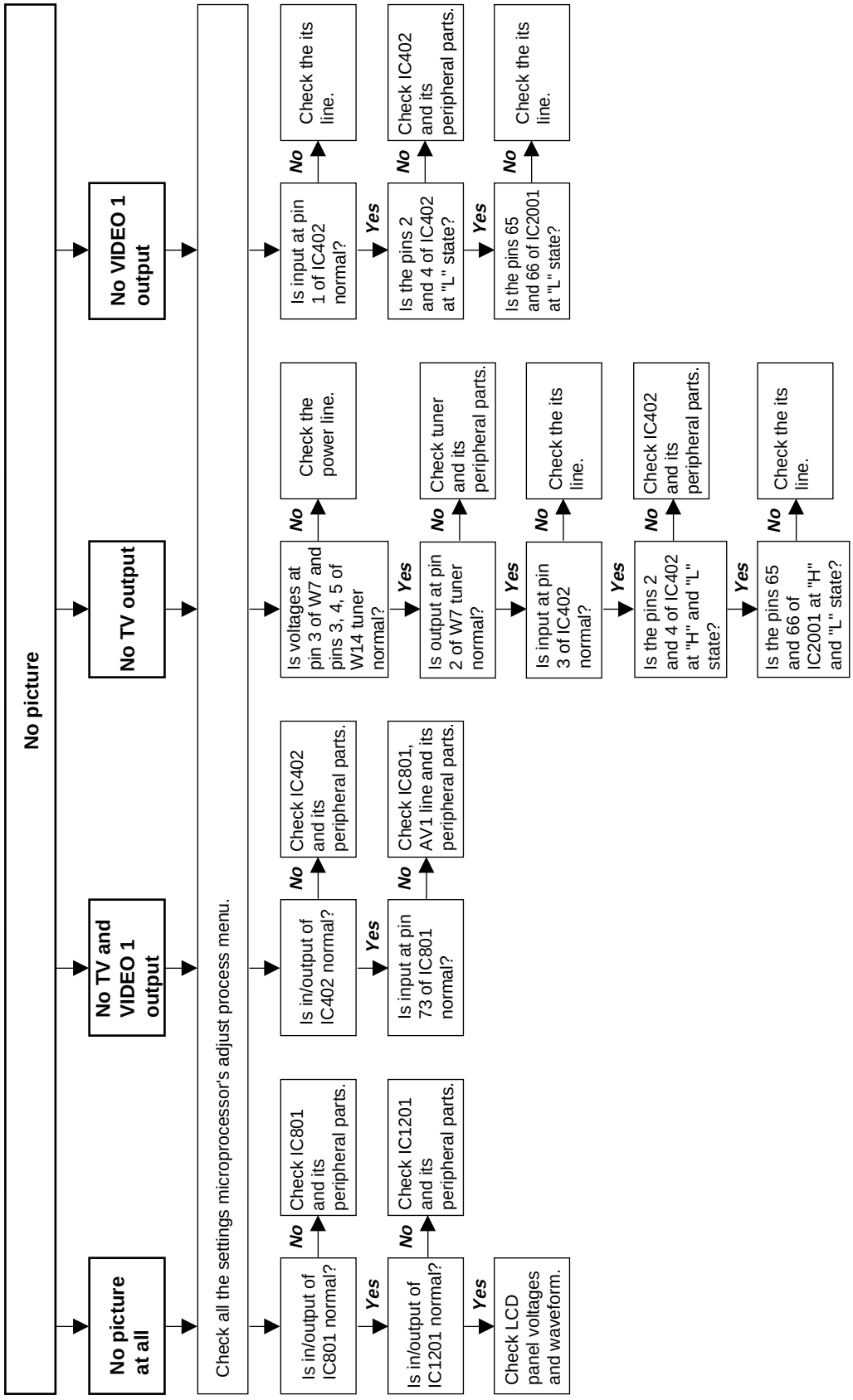
3-4. COMMON BIAS adjustment of LCD module
Page 9 of MAIN side adjustment process COM BIAS
Input the picture of gray scale and adjust it so as to obtain the best contrast.

3-5. CUTOFF adjustment
Page 9 of MAIN side adjustment process R CUTOFF, B CUTOFF
Adjust it so as to obtain the optimal colour balance.

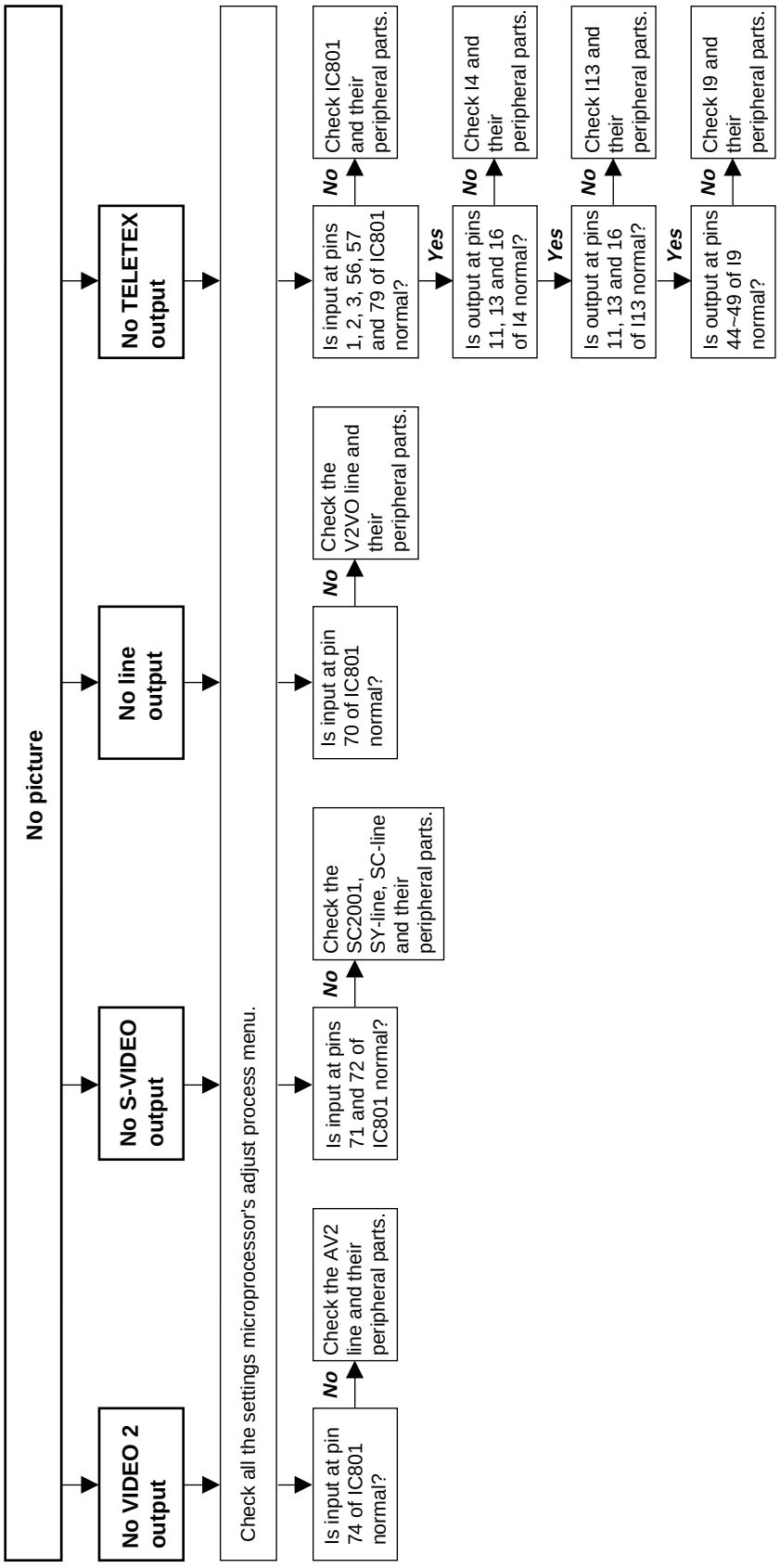
TROUBLE SHOOTING TABLE


No picture, No sound
Check all the settings microprocessor's adjust process menu.
Do F2, F3 and F4 function?
No
Remove F2, F3 and F4 and check the load side. Is there short-circuiting?
No
Replace F2, F3 and F4.
Yes
Yes
Are T701's secondary outputs, +38V, +16V, +9V, +5V and -8V normal?
No
Is there short-circuiting of T701 primary side periphery, Q751, Q753 and S4701.
No
Check S4701 and connection cable.
Yes
Is T701's primary oscillator waveform normal?
Yes
Check T701's secondary load.
Fluorecent lamp failure to light up
Does F1 function?
Yes
Is the pin 34 of IC1201 in the "H" state?
No
Check the OFL1 line, IC1201 and their peripheral parts.
Yes
Is the Q3603 short-circuiting?
No
Check Q3603 and their peripheral parts.
Yes
Is there short-circuiting of T7751~7756 primary side periphery, Q7751~Q7755.
No
Check T7751~T7756, Q7751~Q7755 and connection cable.
Yes
Replace the fluorecent lamp with new one and check again.

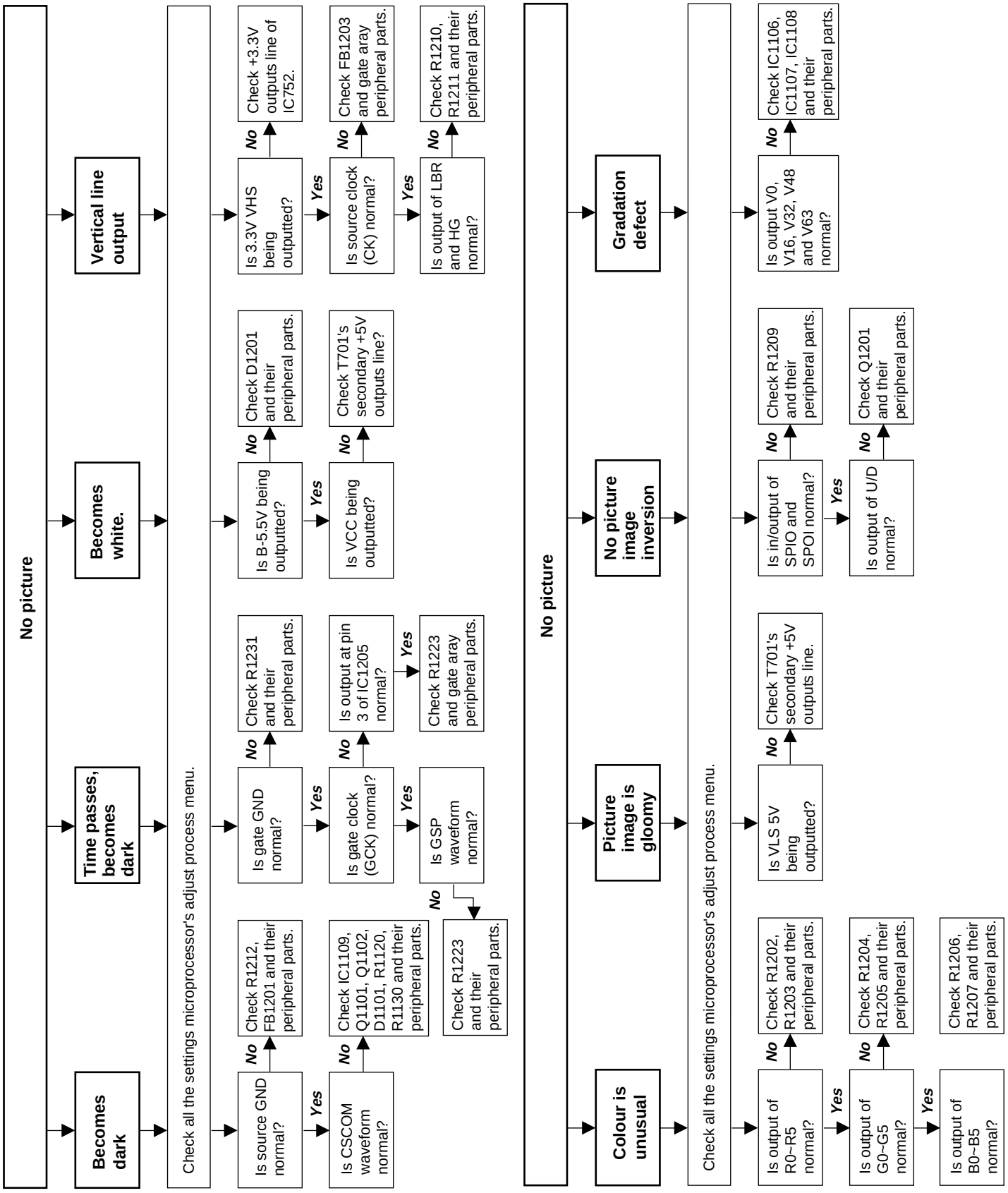
TROUBLE SHOOTING TABLE (Continued)


No picture
No picture at all
No TV and VIDEO 1 output
No TV output
No VIDEO 1 output
Check all the settings microprocessor's adjust process menu.
Is in/output of IC801 normal?
No
Check IC801 and its peripheral parts.
Yes
Is in/output of IC1201 normal?
No
Check IC1201 and its peripheral parts.
Yes
Check LCD panel voltages and waveform.
Is in/output of IC402 normal?
No
Check IC402 and its peripheral parts.
Yes
Is input at pin 73 of IC801 normal?
No
Check IC801, AV1 line and its peripheral parts.
Yes
Is voltages at pin 3 of W7 and pins 3, 4, 5 of W14 tuner normal?
No
Check the power line.
Yes
Is output at pin 2 of W7 tuner normal?
No
Check tuner and its peripheral parts.
Yes
Is input at pin 3 of IC402 normal?
No
Check the its line.
Yes
Is the pins 2 and 4 of IC402 at "H" and "L" state?
No
Check IC402 and its peripheral parts.
Yes
Is the pins 65 and 66 of IC2001 at "H" and "L" state?
No
Check the its line.
Yes
Is input at pin 1 of IC402 normal?
No
Check the its line.
Yes
Is the pins 2 and 4 of IC402 at "L" state?
No
Check IC402 and its peripheral parts.
Yes
Is the pins 65 and 66 of IC2001 at "L" state?
No
Check the its line.
Yes

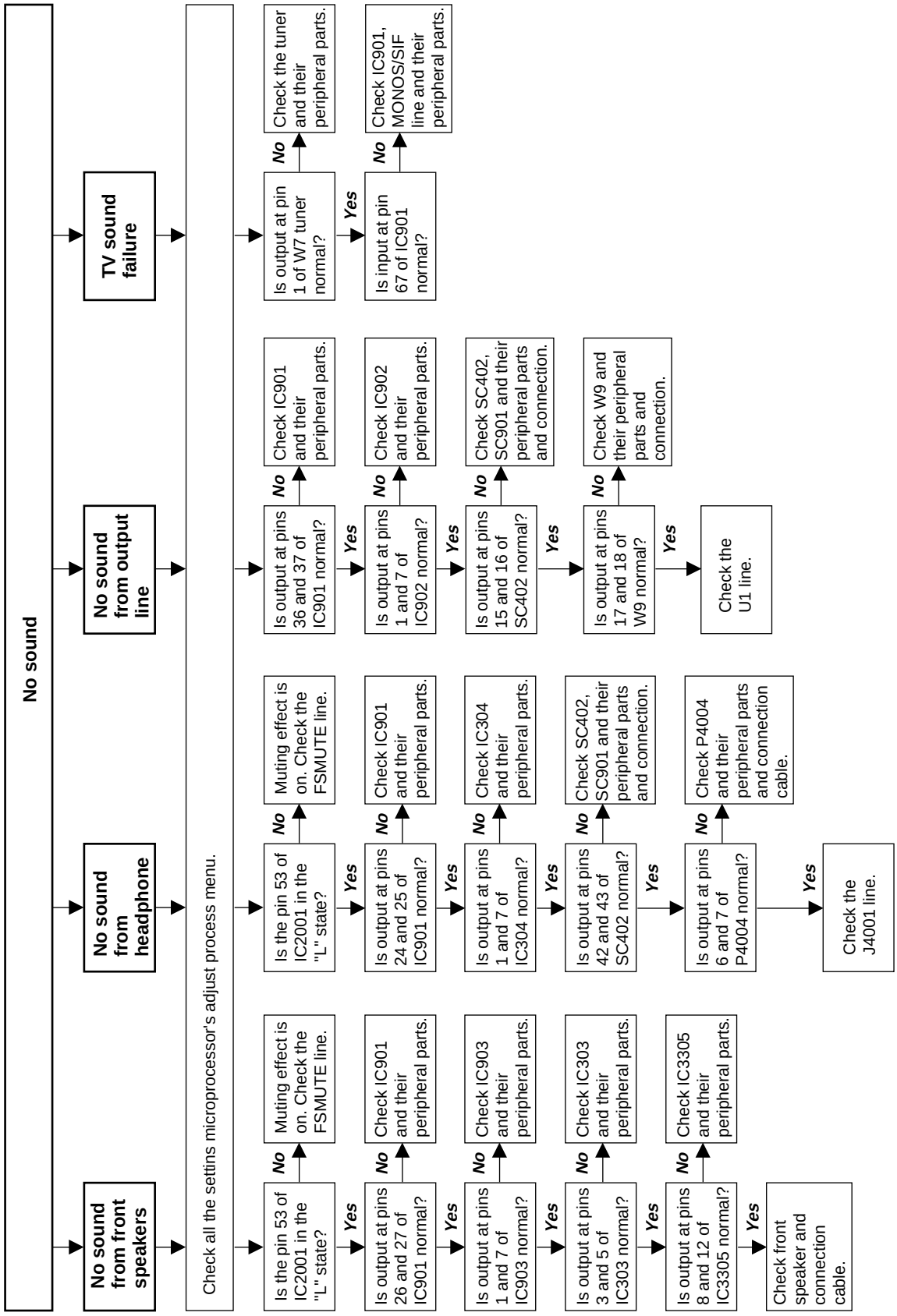
TROUBLE SHOOTING TABLE (Continued)


No picture
No VIDEO 2 output
No S-VIDEO output
No line output
No TELETEX output
Check all the settings microprocessor's adjust process menu.
Is input at pin 74 of IC801 normal?
No
Check the AV2 line and their peripheral parts.
Is input at pins 71 and 72 of IC801 normal?
No
Check the SC2001, SY-line, SC-line and their peripheral parts.
Is input at pin 70 of IC801 normal?
No
Check the V2VO line and their peripheral parts.
Is input at pins 1, 2, 3, 56, 57 and 79 of IC801 normal?
Yes
No
Check IC801 and their peripheral parts.
Is output at pins 11, 13 and 16 of I4 normal?
Yes
No
Check I4 and their peripheral parts.
Is output at pins 11, 13 and 16 of I13 normal?
Yes
No
Check I13 and their peripheral parts.
Is output at pins 44~49 of I9 normal?
Yes
No
Check I9 and their peripheral parts.

TROUBLE SHOOTING TABLE (Continued)



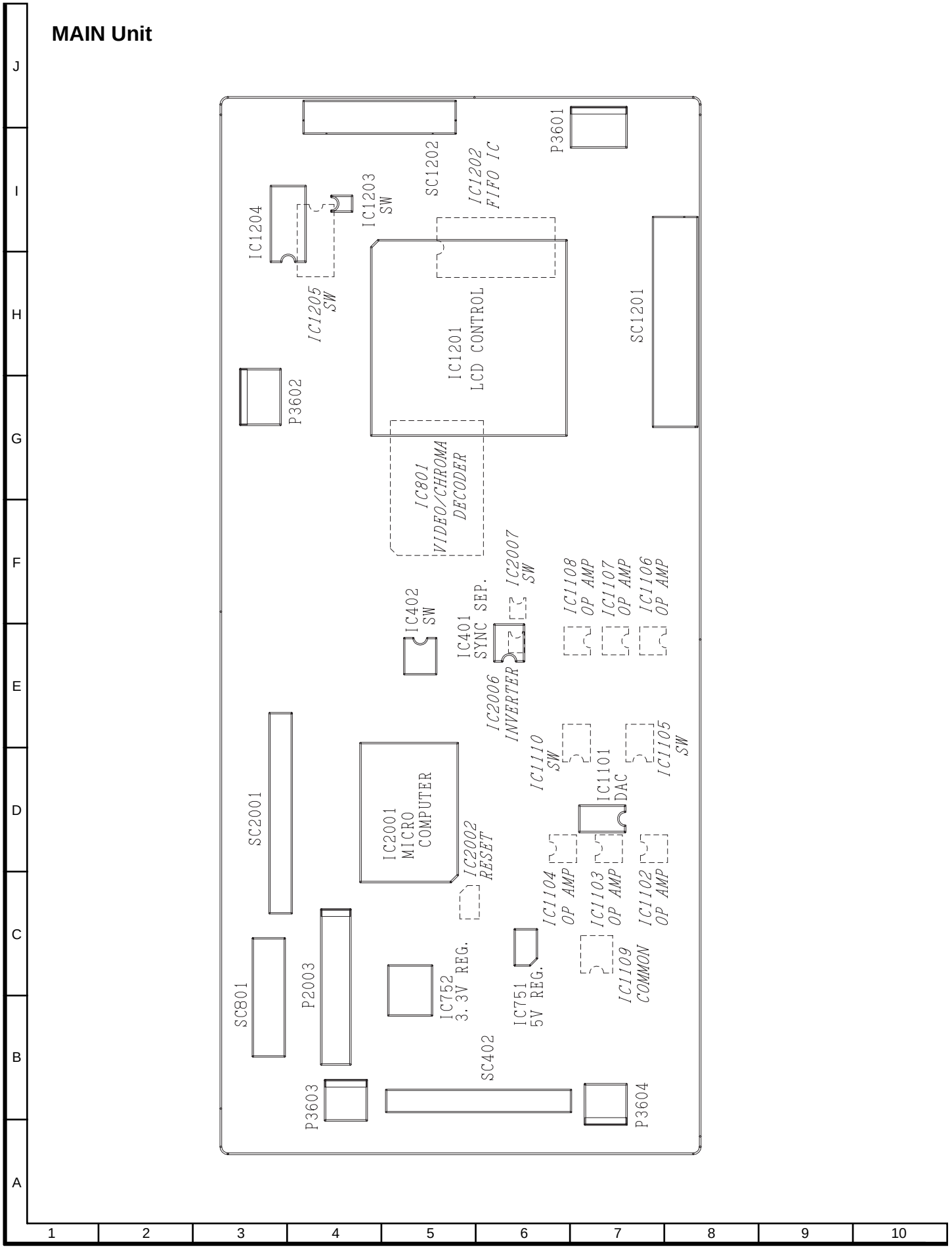
TROUBLE SHOOTING TABLE (Continued)


No sound
No sound from front speakers
Check all the settins microprocessor's adjust process menu.
Is the pin 53 of IC2001 in the "L" state?
No
Muting effect is on. Check the FSMUTE line.
Yes
Is output at pins 26 and 27 of IC901 normal?
No
Check IC901 and their peripheral parts.
Yes
Is output at pins 1 and 7 of IC903 normal?
No
Check IC903 and their peripheral parts.
Yes
Is output at pins 3 and 5 of IC303 normal?
No
Check IC303 and their peripheral parts.
Yes
Is output at pins 8 and 12 of IC3305 normal?
No
Check IC3305 and their peripheral parts.
Yes
Check front speaker and connection cable.
No sound from headphone
Is the pin 53 of IC2001 in the "L" state?
No
Muting effect is on. Check the FSMUTE line.
Yes
Is output at pins 24 and 25 of IC901 normal?
No
Check IC901 and their peripheral parts.
Yes
Is output at pins 1 and 7 of IC304 normal?
No
Check IC304 and their peripheral parts.
Yes
Is output at pins 42 and 43 of SC402 normal?
No
Check SC402, SC901 and their peripheral parts and connection.
Yes
Is output at pins 6 and 7 of P4004 normal?
No
Check P4004 and their peripheral parts and connection cable.
Yes
Check the J4001 line.
No sound from output line
Is output at pins 36 and 37 of IC901 normal?
No
Check IC901 and their peripheral parts.
Yes
Is output at pins 1 and 7 of IC902 normal?
No
Check IC902 and their peripheral parts.
Yes
Is output at pins 15 and 16 of SC402 normal?
No
Check SC402, SC901 and their peripheral parts and connection.
Yes
Is output at pins 17 and 18 of W9 normal?
No
Check W9 and their peripheral parts and connection.
Yes
Check the U1 line.
TV sound failure
Is output at pin 1 of W7 tuner normal?
No
Check the tuner and their peripheral parts.
Yes
Is input at pin 67 of IC901 normal?
No
Check IC901, MONOS/SIF line and their peripheral parts.

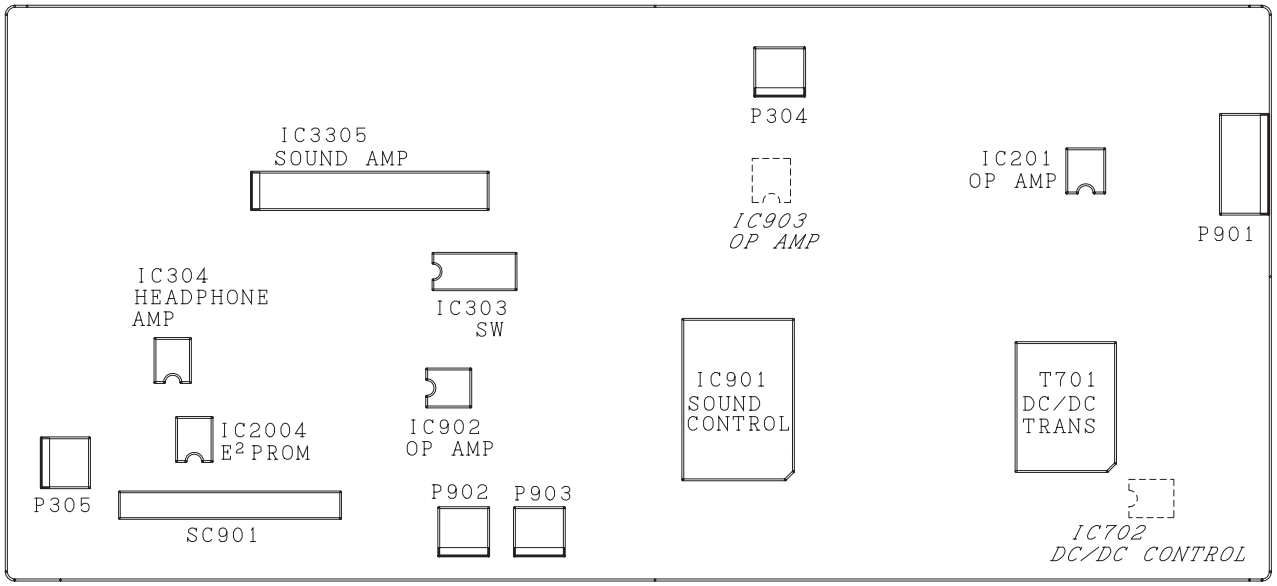
- M E M O -

CHASSIS LAYOUT

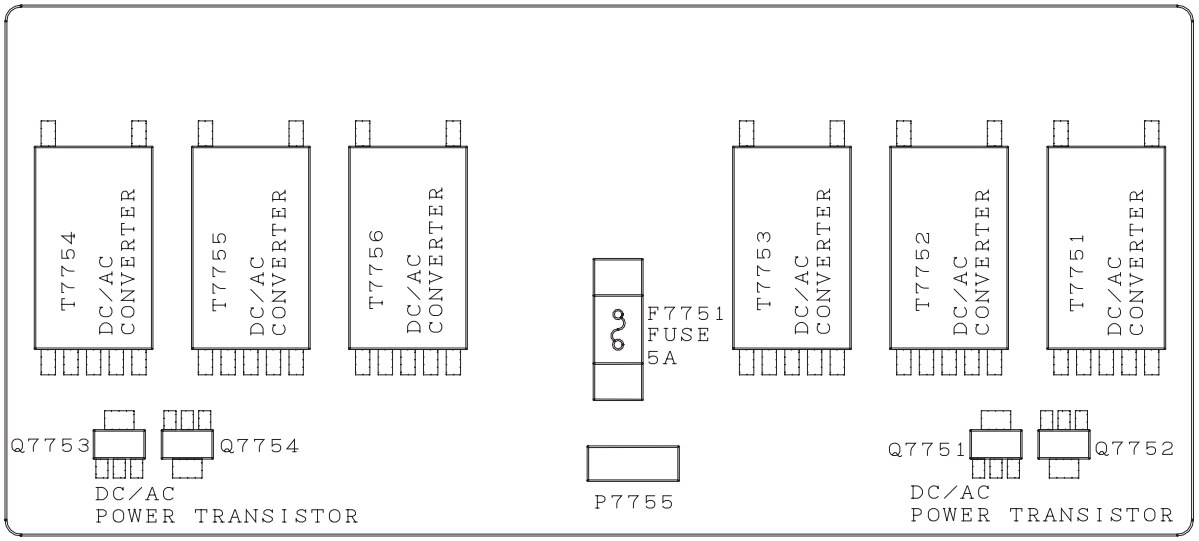
MAIN Unit



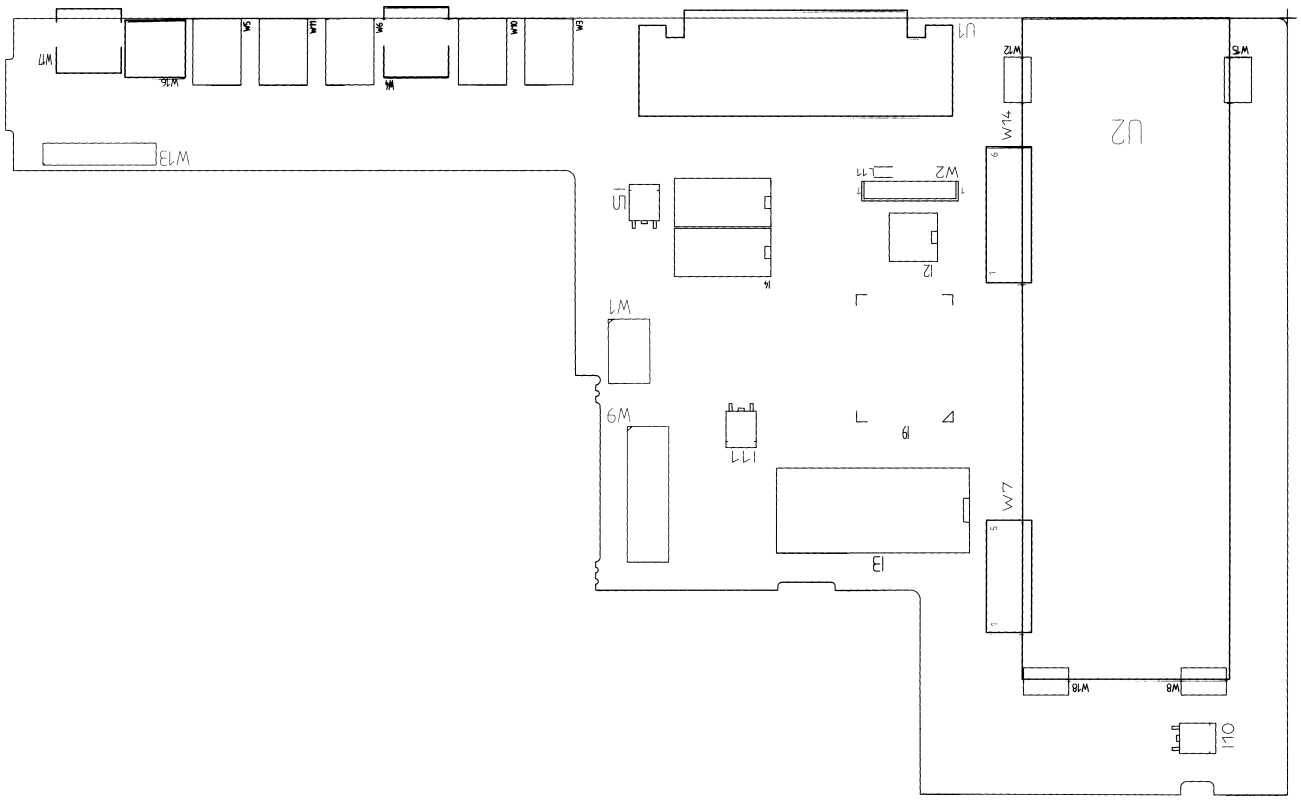
SUB Unit



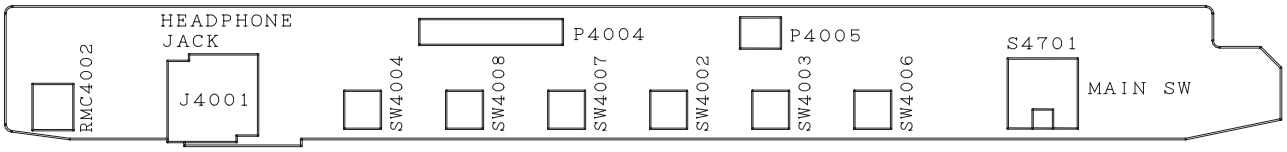
INVERTER Unit



TUNER Unit



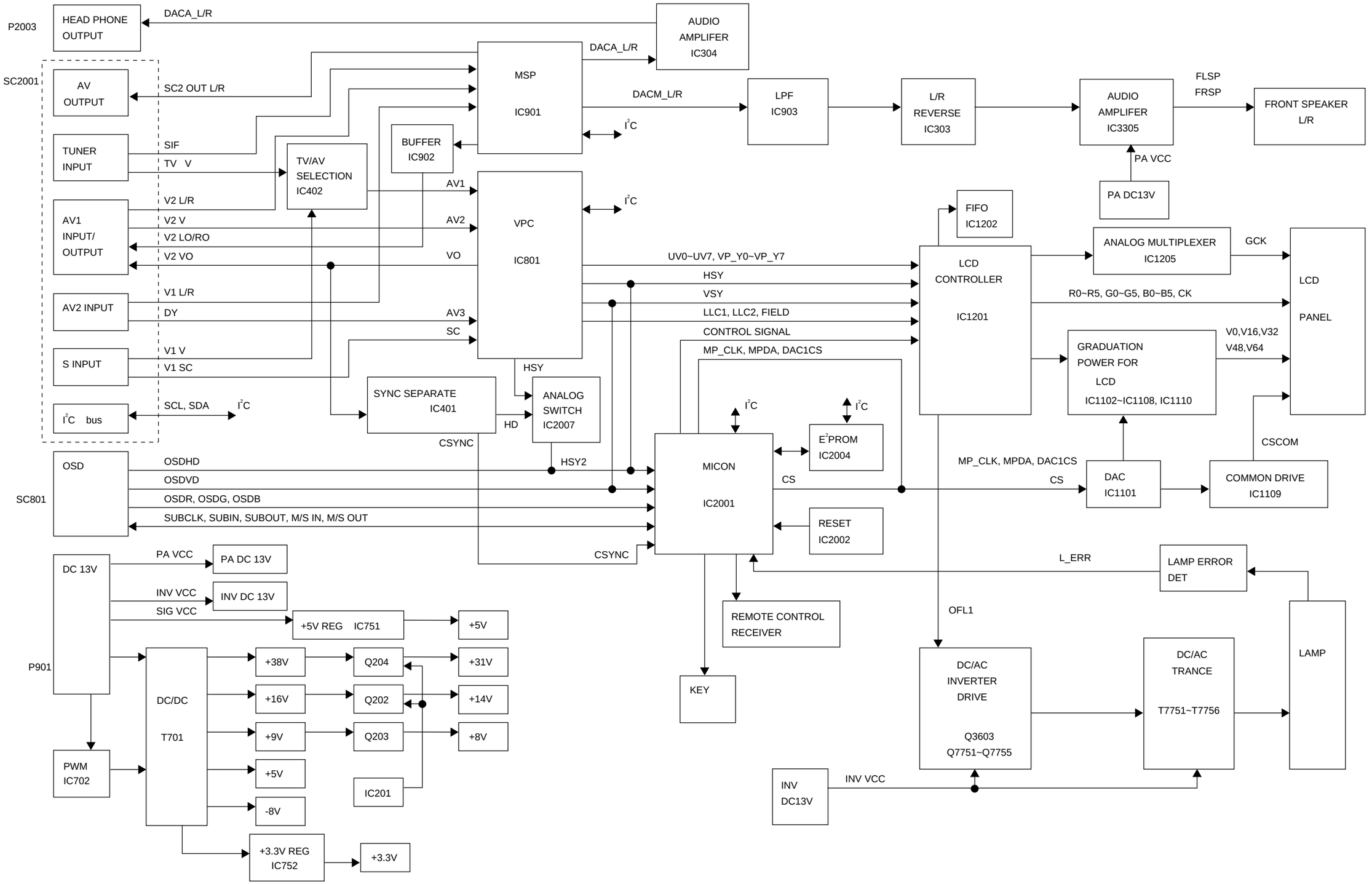
SWITCH Unit



LC-20A2E

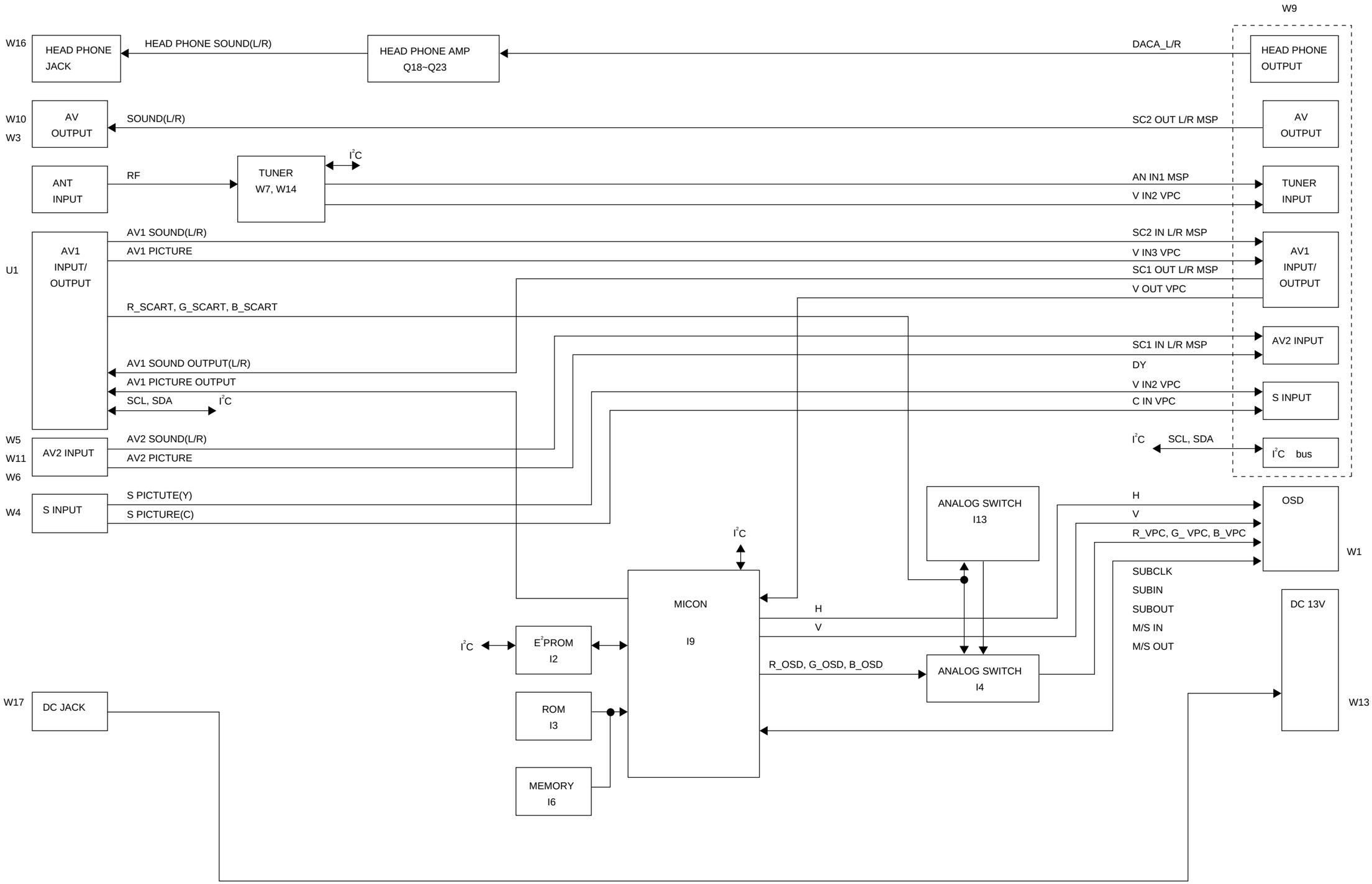
BLOCK DIAGRAMS

■ MAIN BLOCK DIAGRAM



LC-20A2E

■ TUNER BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH "⚠"( ) ARE INPORTANT FOR MAINTAINING THE SAFETY OF THE SET.
BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FORMAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.
2. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform. The wave form test point is indicated with the mark (Ⓠ) in the wiring diagram.
3. Indication of resistors and capacitors

   [Resistors]

   Unit : Nonindication … Ω, K…kΩ,
   M … MΩ

   Error : Nonindication … ±10%
   J … ±5%
   F … ±1%
   D … ±0.5%

   [Capacitor]

   Unit : Nonindication or μ … μF,
   P or p … pF

[Item]

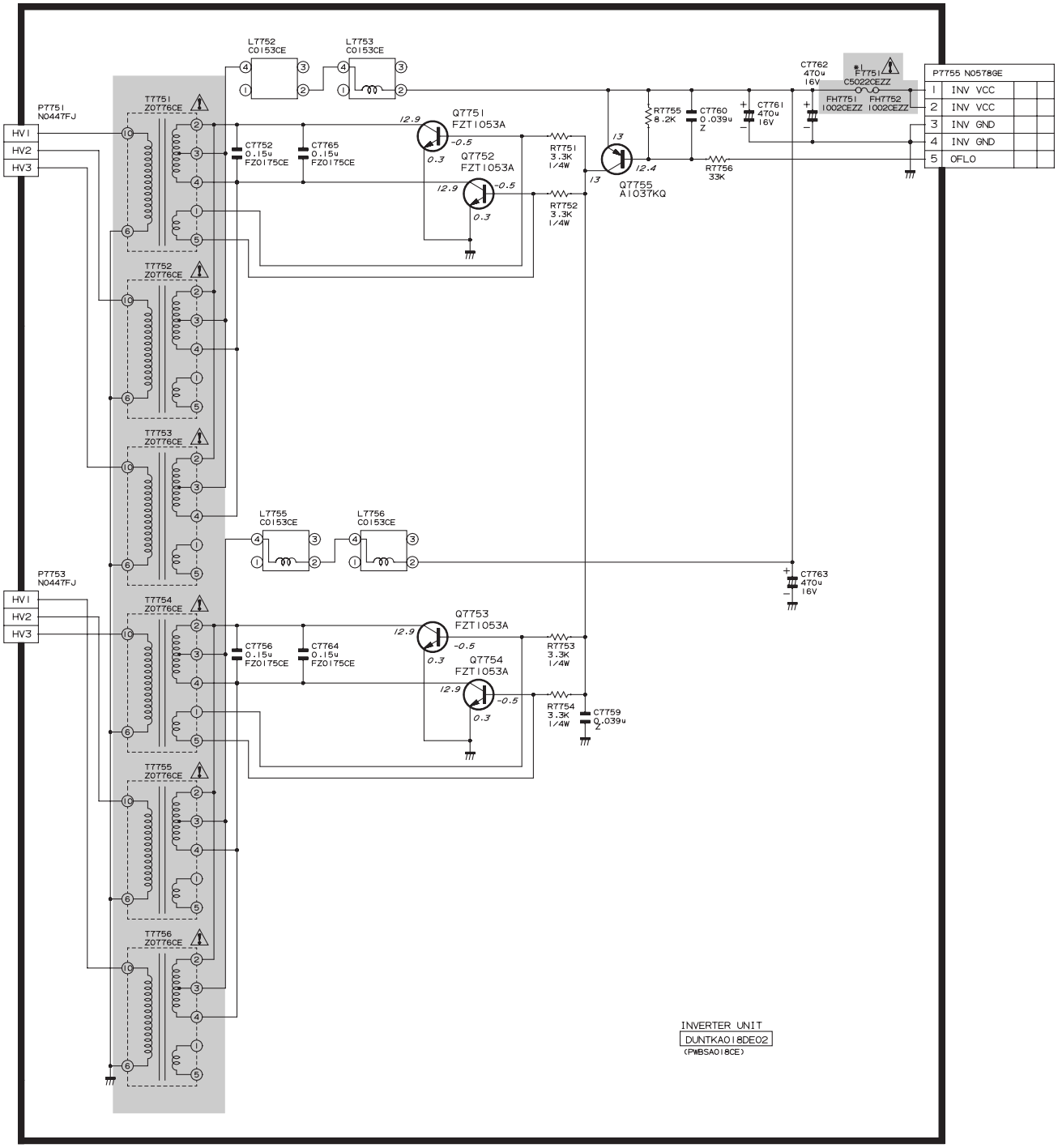
Resistors	
Nonindication	Carbon-film resistor
Ⓒ	Solid resistor
Ⓢ	Metal-oxide-film resistor
Ⓝ	Metal-film resistor
Ⓦ	Cement resistor
Ⓣ	Special resistor

Capacitors	
Nonndication	Ceramic capacitor
ML	Mylar capacitor
PF	Polypropylene
film capacitor	
TA	Tantalum capacitor
Styrol capacitor	

SCHEMATIC DIAGRAMS

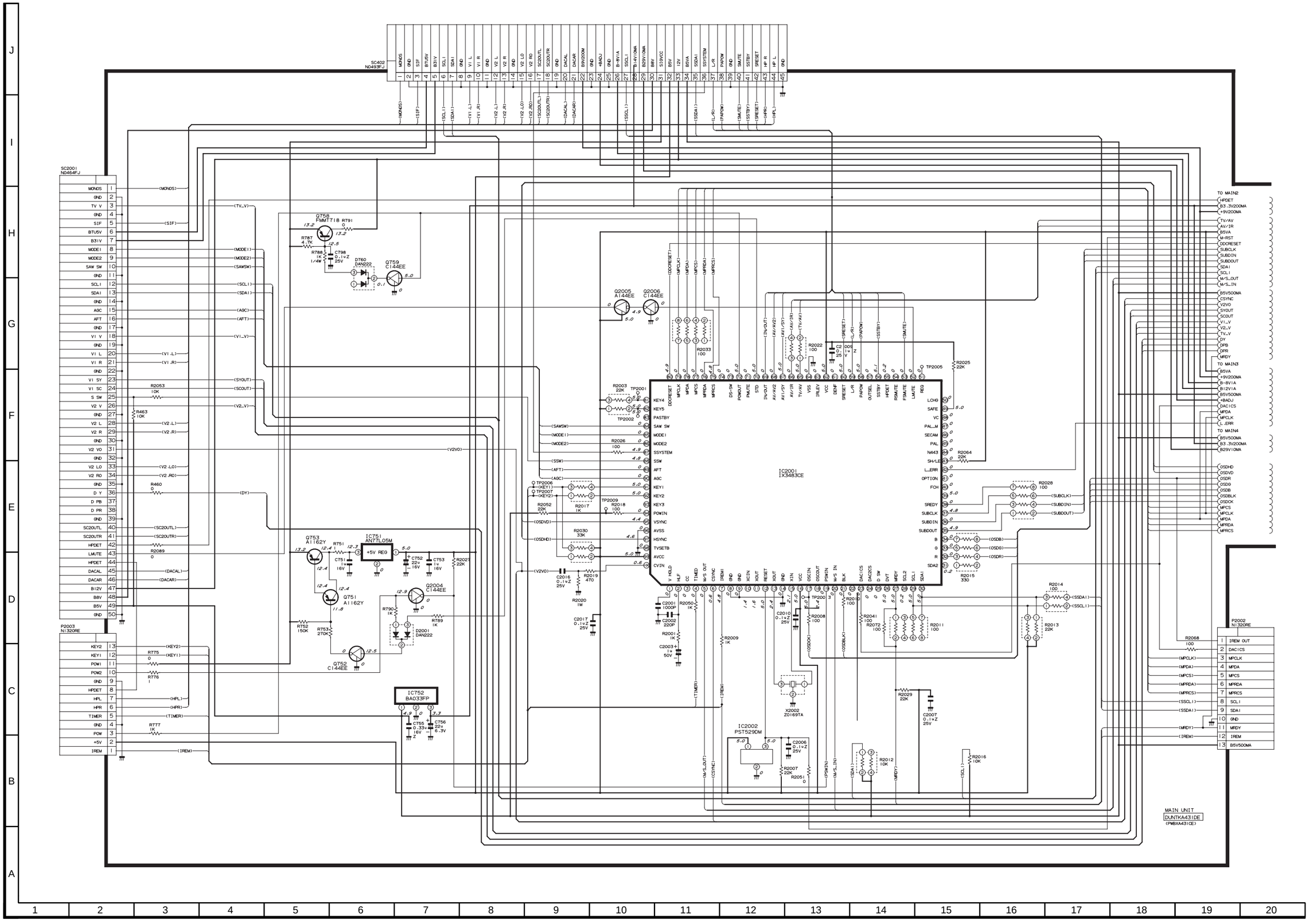
■ INVERTER Unit

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



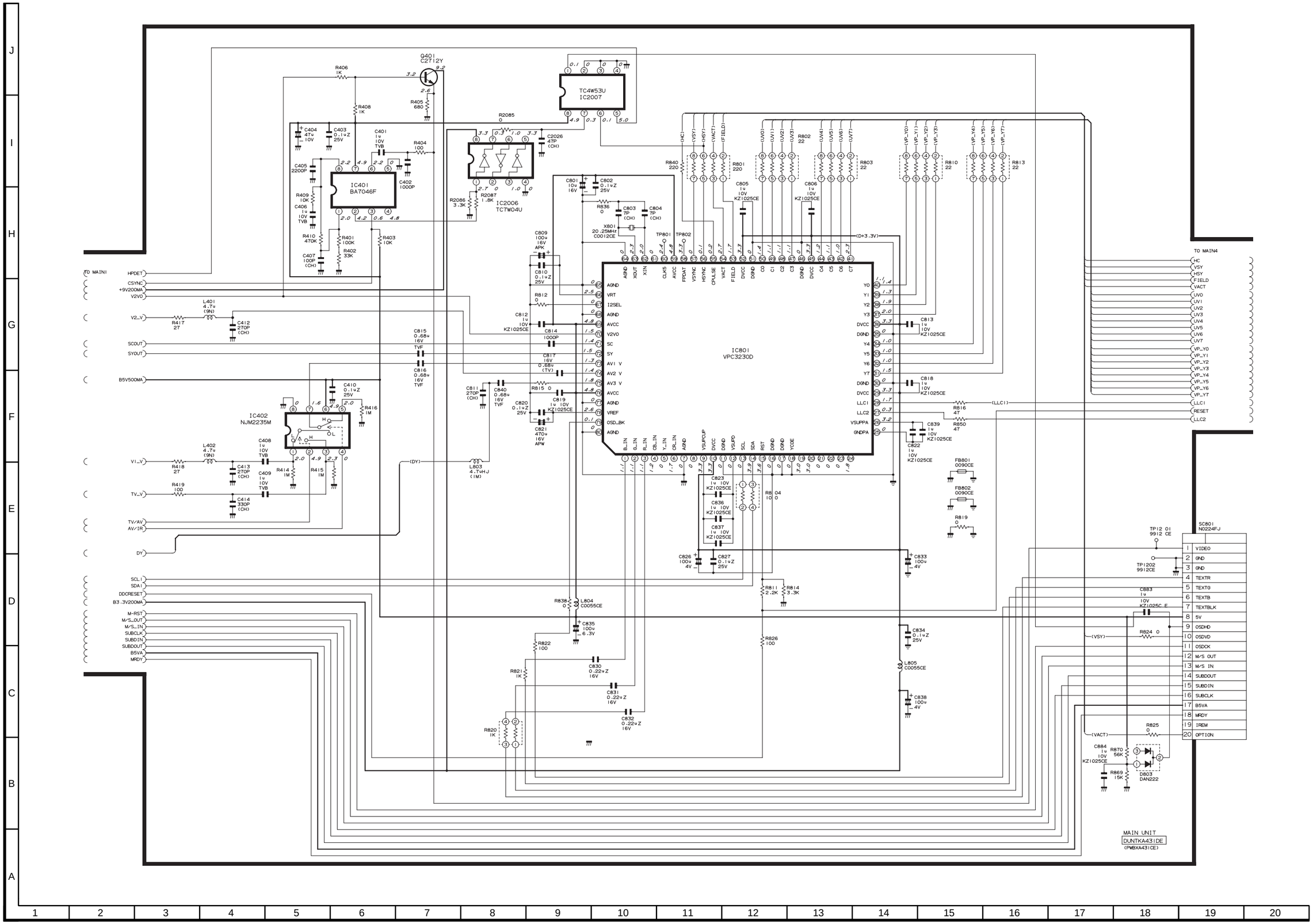
LC-20A2E

■ MAIN Unit -1/4

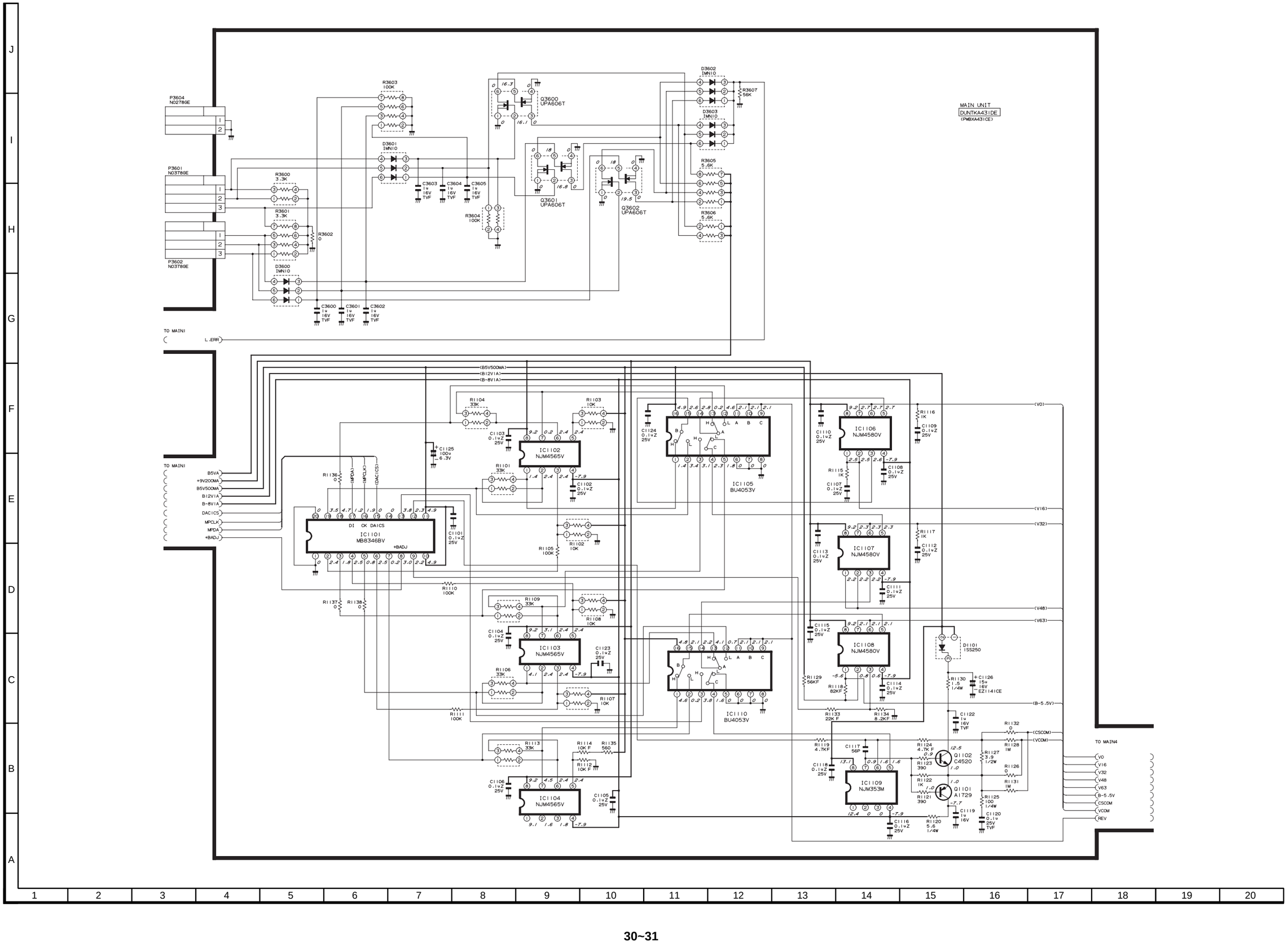


LC-20A2E

■ MAIN Unit -2/4



■ MAIN Unit -3/4


MAIN UNIT
DUNTKA431DE
(PWBXA431CE)
P3604 N02786E
P3601 N03786E
P3602 N03786E
R3600 3.3K
R3601 3.3K
R3602 0
R3603 100K
R3604 100K
R3605 5.6K
R3606 5.6K
R3607 56K
D3600 IMN10
D3601 IMN10
D3602 IMN10
D3603 IMN10
C3600 1u 16V TVF
C3601 1u 16V TVF
C3602 1u 16V TVF
C3603 1u 16V TVF
C3604 1u 16V TVF
C3605 1u 16V TVF
Q3600 UPA606T
Q3601 UPA606T
Q3602 UPA606T
TO MAIN1
L.ERR
(B5V500MA)
(B12V1A)
(B-8V1A)
IC1101 MB8346BV
DI CK DAICS
+BADJ
IC1102 NJM4565V
IC1103 NJM4565V
IC1104 NJM4565V
IC1105 BU4053V
IC1106 NJM4580V
IC1107 NJM4580V
IC1108 NJM4580V
IC1109 NJM353M
IC1110 BU4053V
R1101 33K
R1102 10K
R1103 10K
R1104 33K
R1105 100K
R1106 33K
R1107 10K
R1108 10K
R1109 33K
R1110 100K
R1111 100K
R1112 10K F
R1113 33K
R1114 10K F
R1115 1K
R1116 1K
R1117 1K
R1118 82KF
R1119 4.7KF
R1120 5.6 1/4W
R1121 390
R1122 1K
R1123 390
R1124 4.7K F
R1125 100 1/4W
R1126 0
R1127 3.9 1/2W
R1128 1M
R1129 56KF
R1130 1.5 1/4W
R1131 1M
R1132 0
R1133 22K F
R1134 8.2KF
R1135 560
R1136 0
R1137 0
R1138 0
C1101 0.1uZ 25V
C1102 0.1uZ 25V
C1103 0.1uZ 25V
C1104 0.1uZ 25V
C1105 0.1uZ 25V
C1106 0.1uZ 25V
C1107 0.1uZ 25V
C1108 0.1uZ 25V
C1109 0.1uZ 25V
C1110 0.1uZ 25V
C1111 0.1uZ 25V
C1112 0.1uZ 25V
C1113 0.1uZ 25V
C1114 0.1uZ 25V
C1115 0.1uZ 25V
C1116 0.1uZ 25V
C1117 56P
C1118 0.1uZ 25V
C1119 1u 16V
C1120 0.1u 25V TVF
C1122 1u 16V TVF
C1123 0.1uZ 25V
C1124 0.1uZ 25V
C1125 100u 6.3V
+C1126 15u 16V EZ1141CE
Q1101 A1729
Q1102 C4520
D1101 1SS250
TO MAIN
B5VA
+9V200MA
B5V500MA
B12VIA
B-8VIA
DACICS
MPCLK
MPDA
+BADJ
(MPDA)
(MPCLK)
(DACICS)
(VO)
(V16)
(V32)
(V48)
(V63)
(B-5.5V)
(CSCOM)
(VCOM)
TO MAIN4
VO
V16
V32
V48
V63
B-5.5V
CSCOM
VCOM
REV

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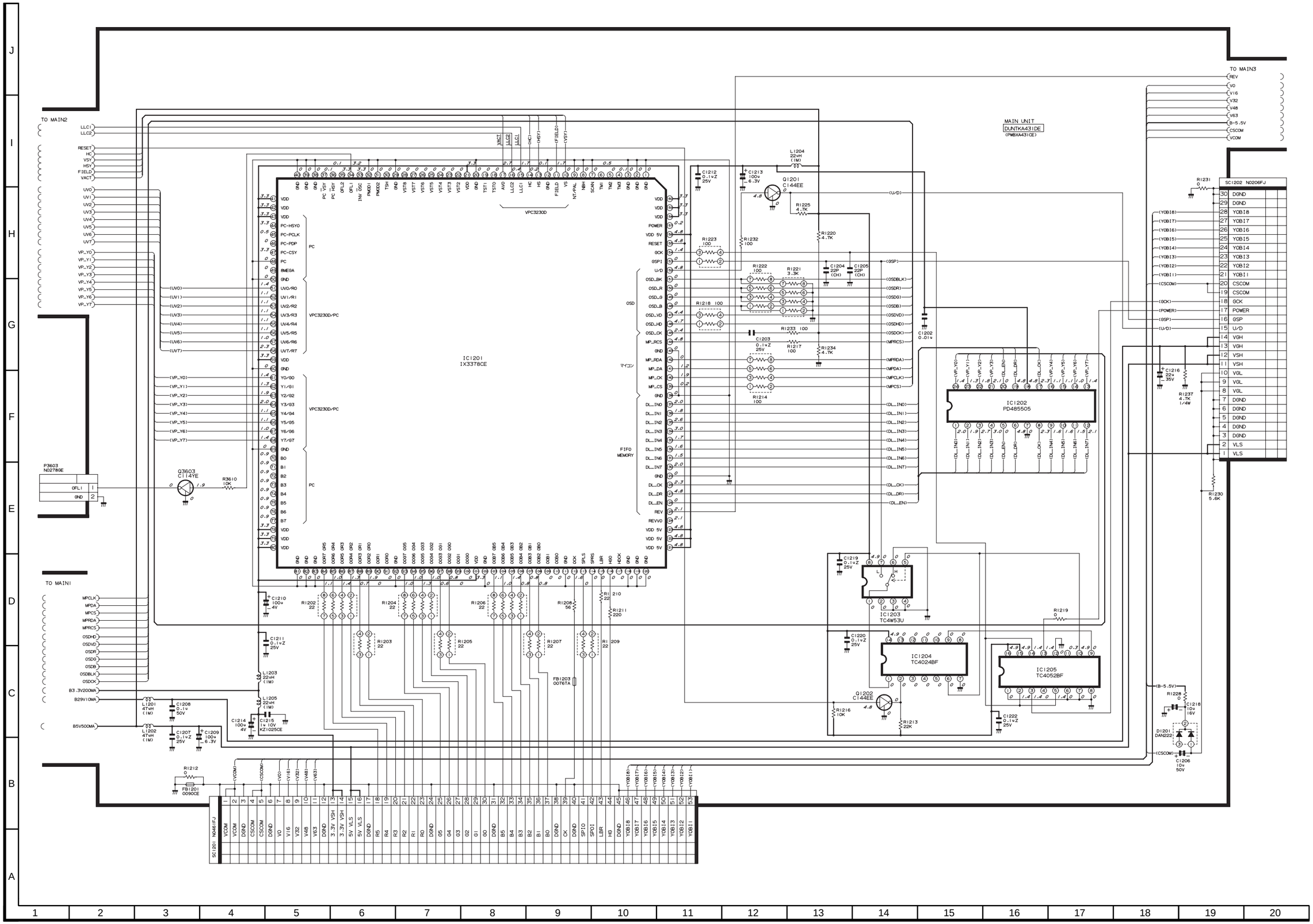
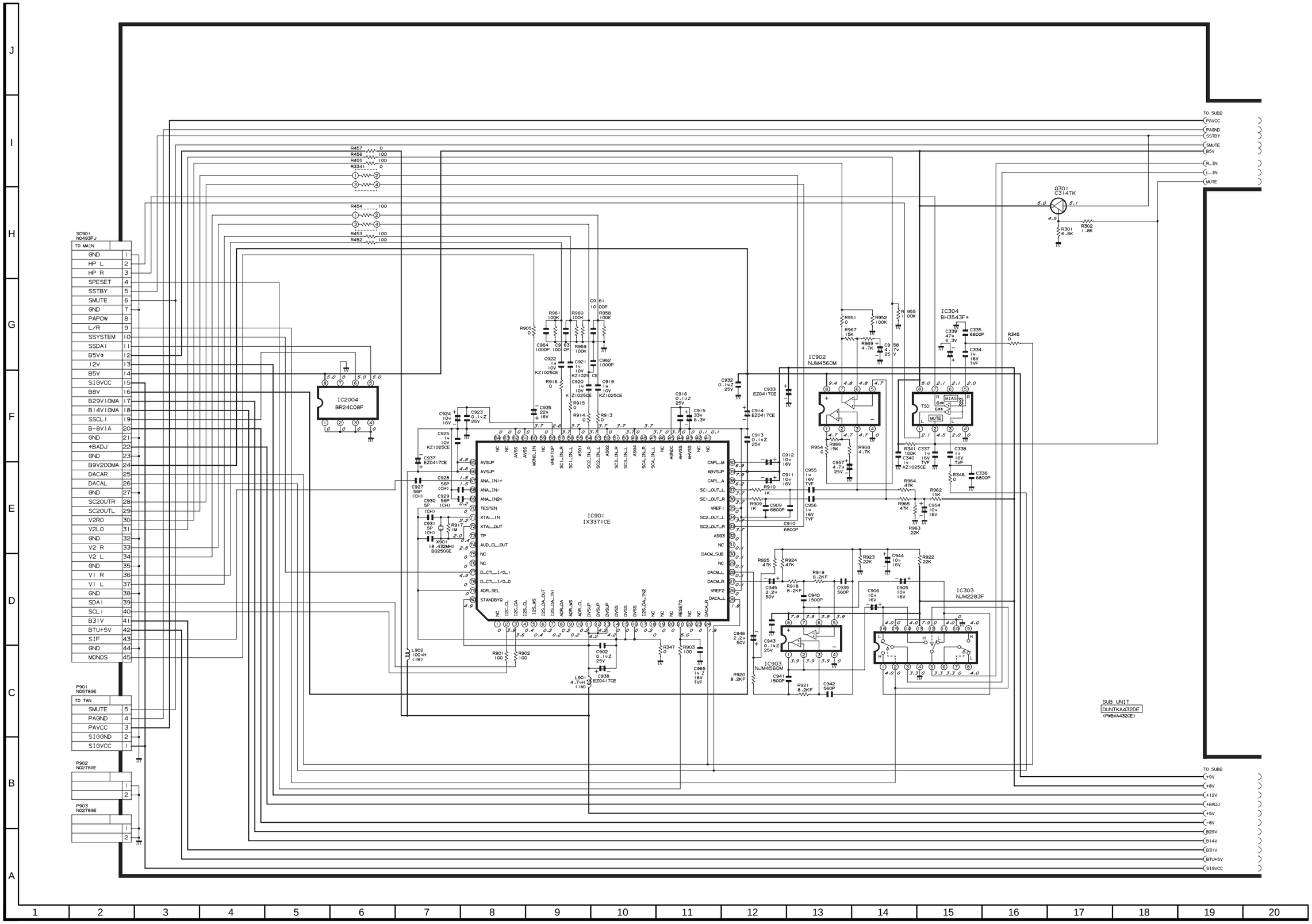
■ MAIN Unit -4/4



LC-20A2E

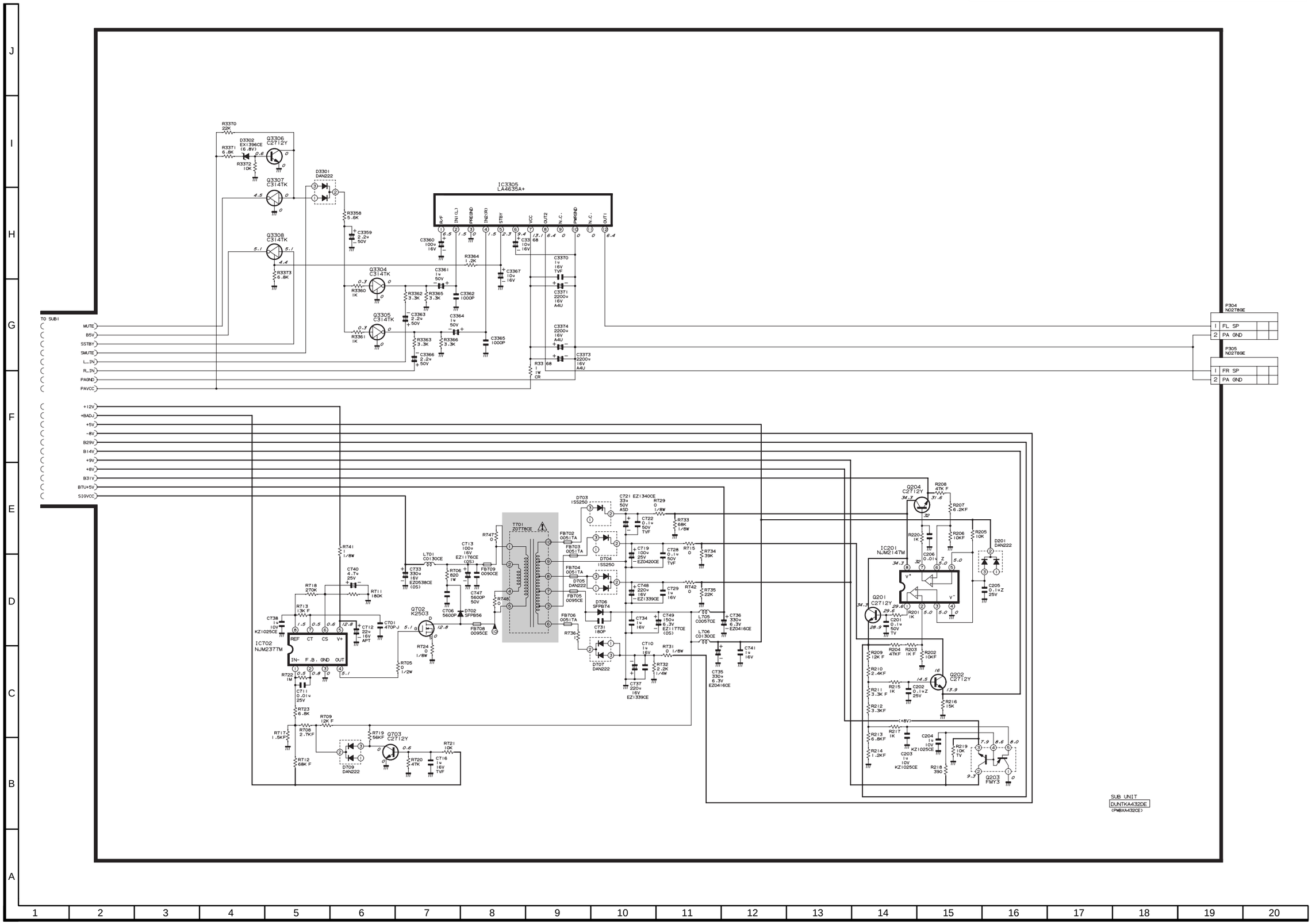
■ SUB Unit -1/2



LC-20A2E

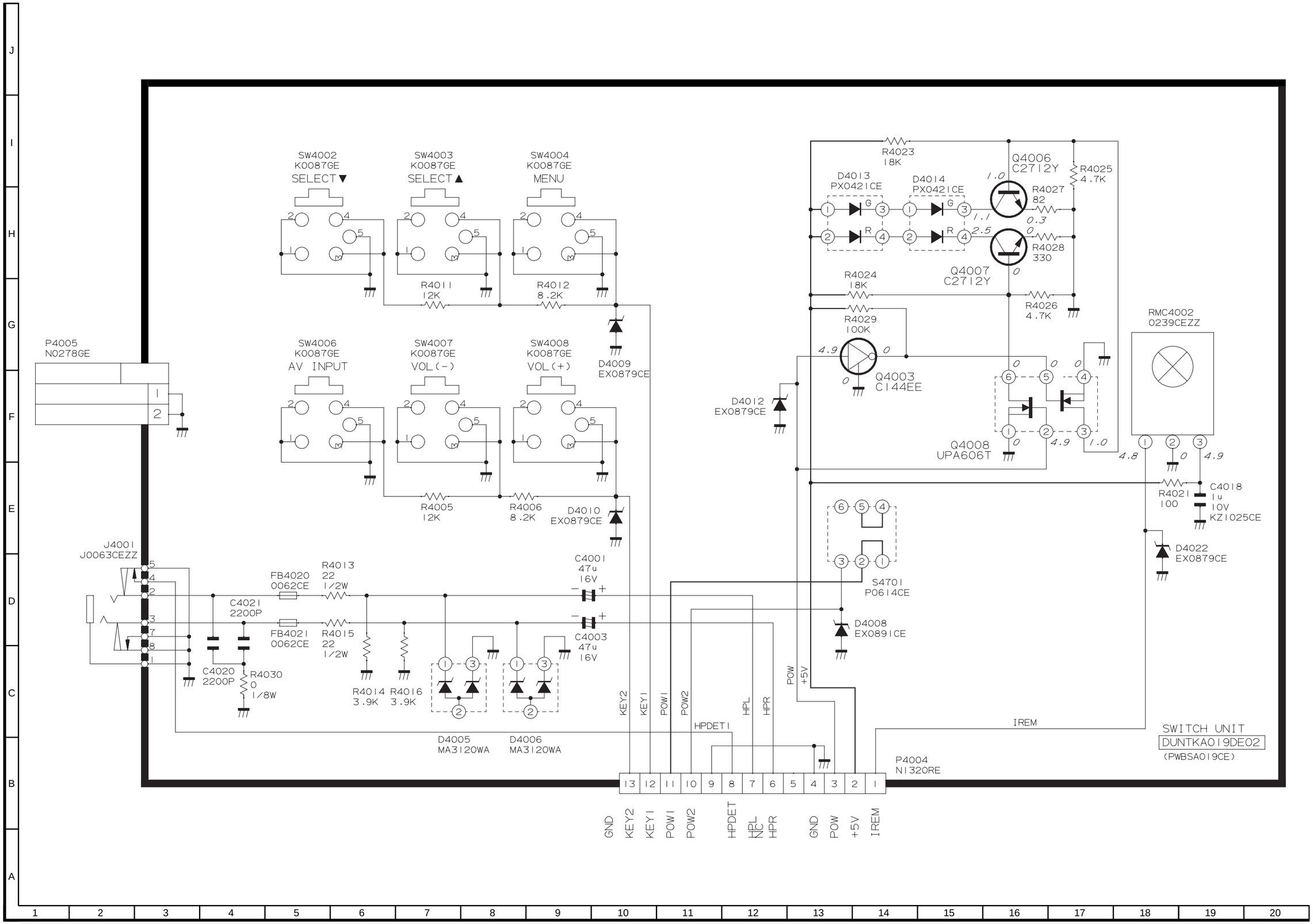
■ SUB Unit -2/2

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



LC-20A2E

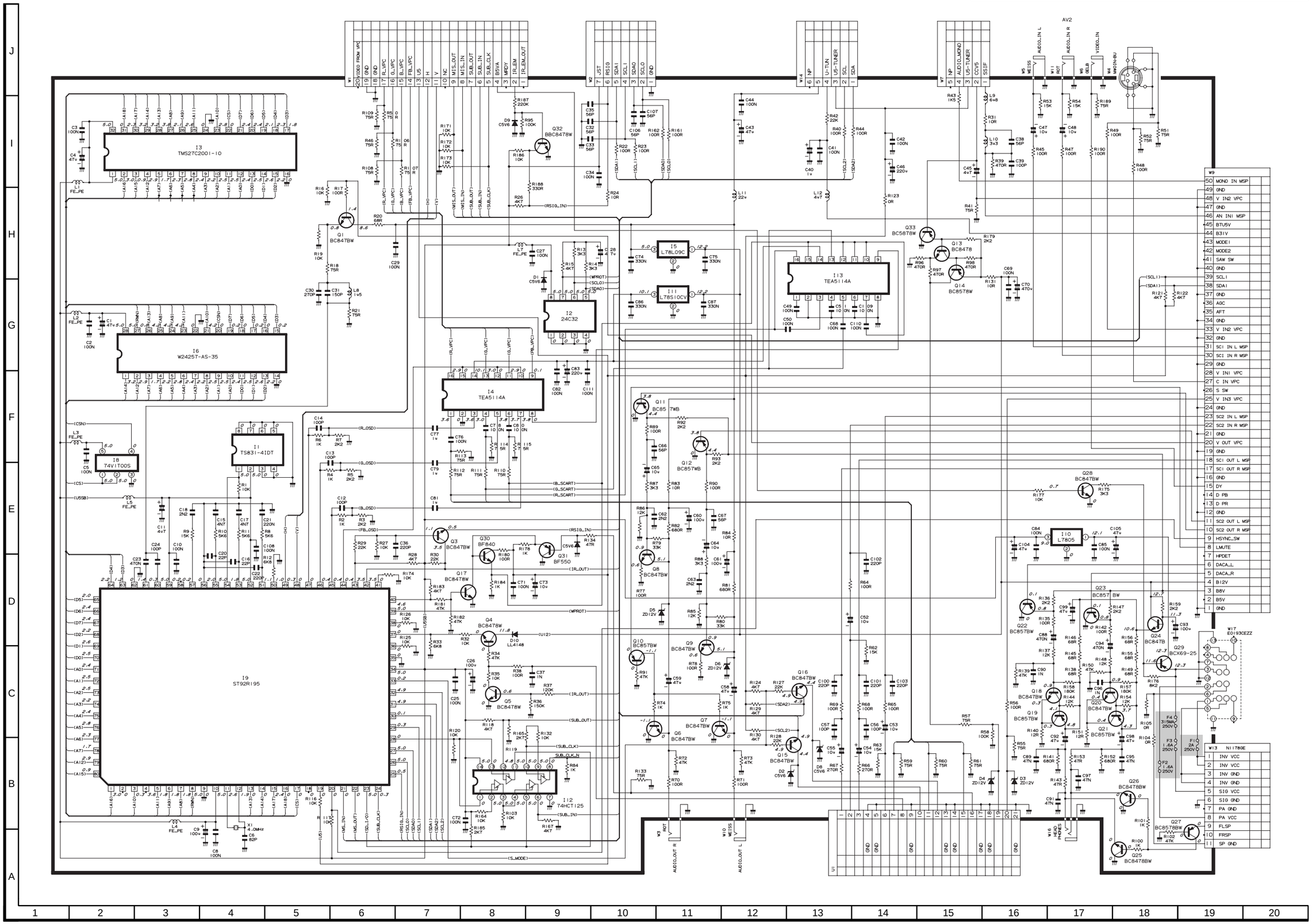
■ SWITCH Unit



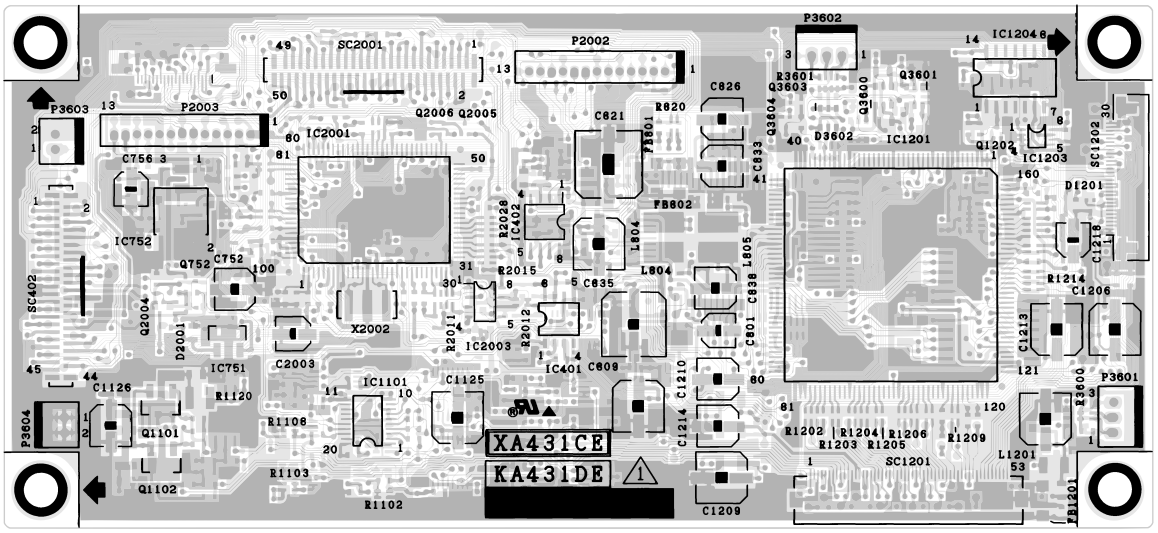
LC-20A2E

■ TUNER Unit

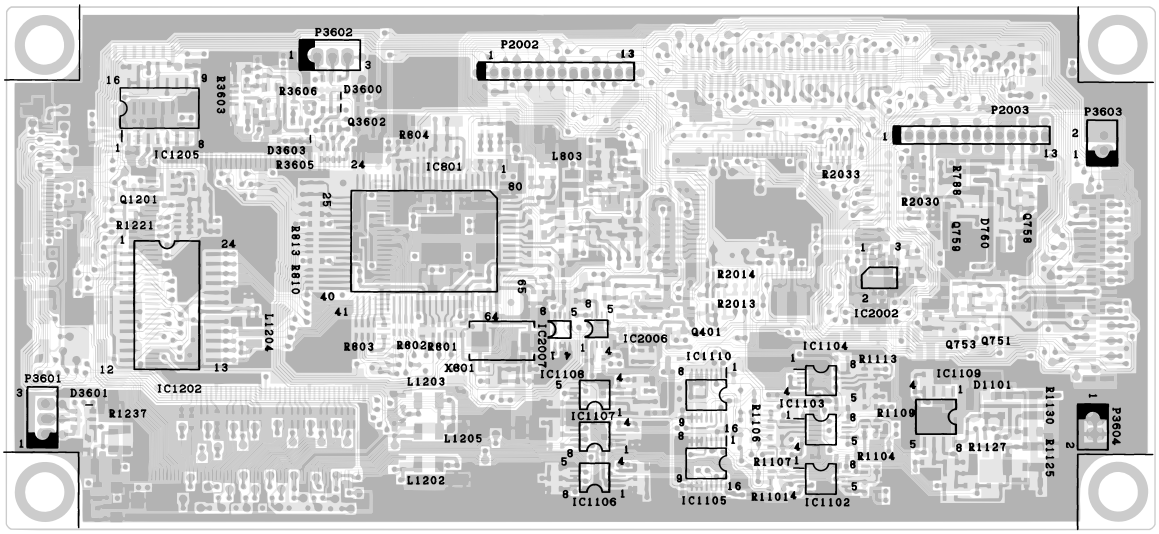
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



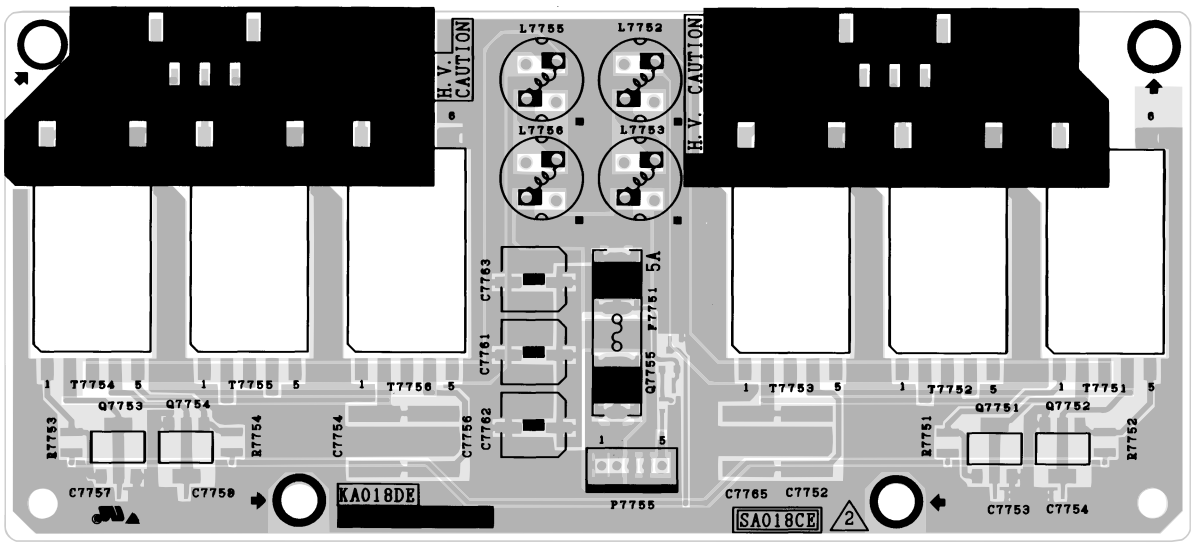
PRINTED WIRING BOARD ASSEMBLIES



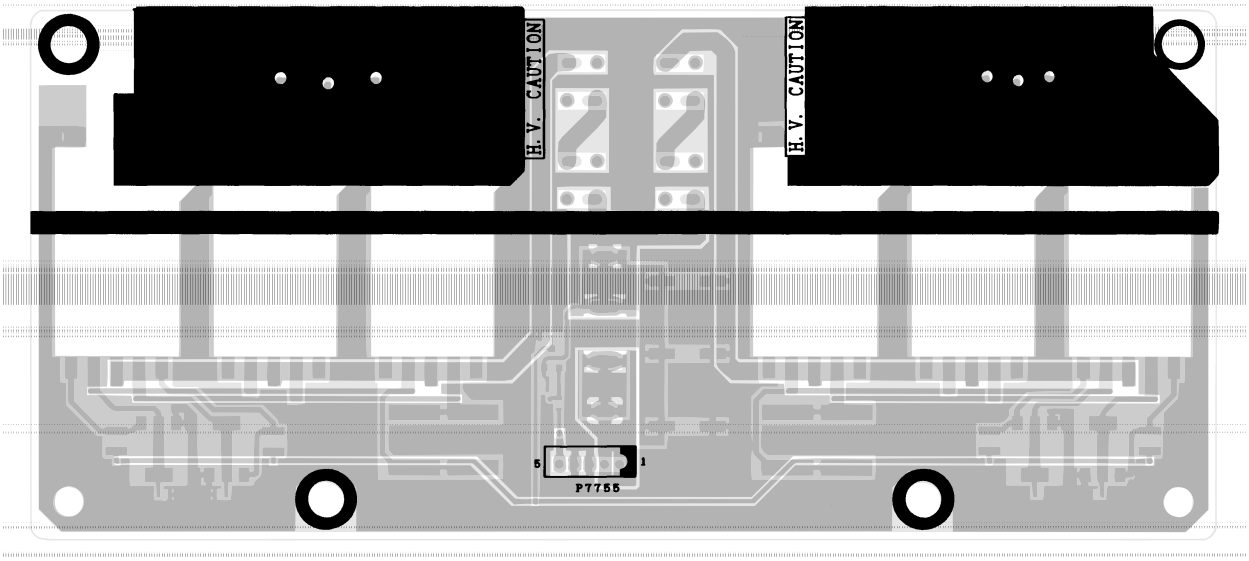
Main Unit (Side-A)



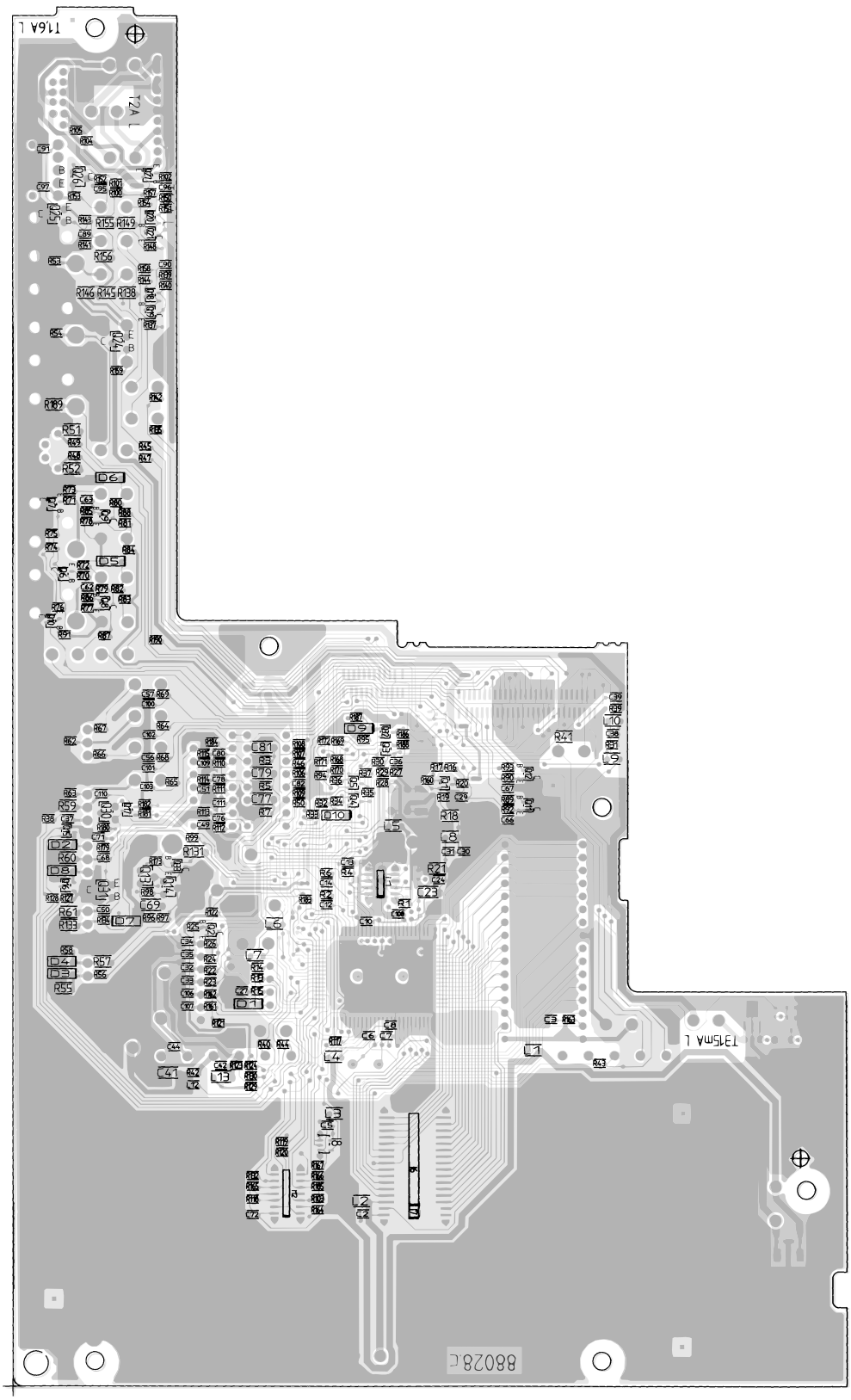
Main Unit (Side-B)



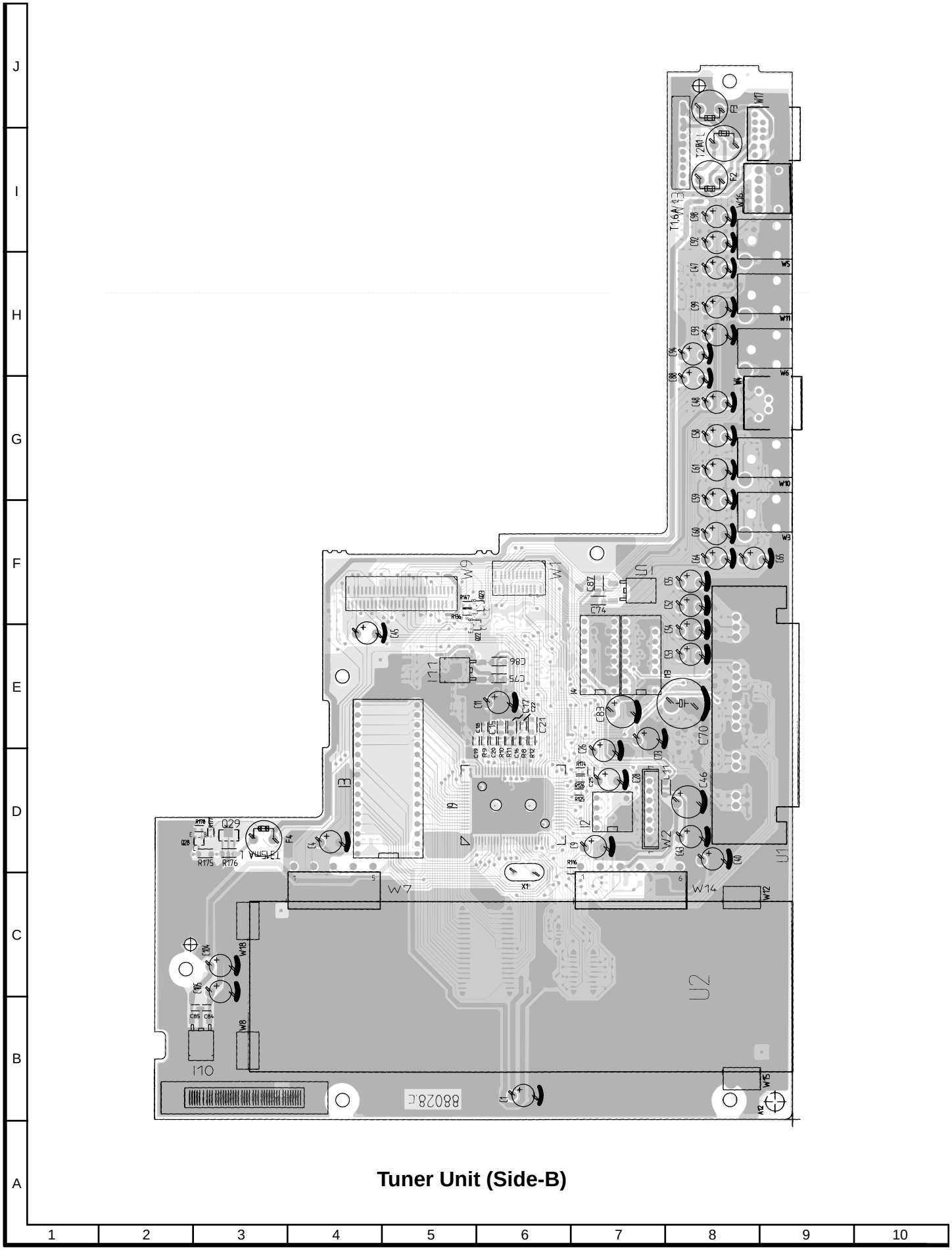
Inverter Unit (Side-A)



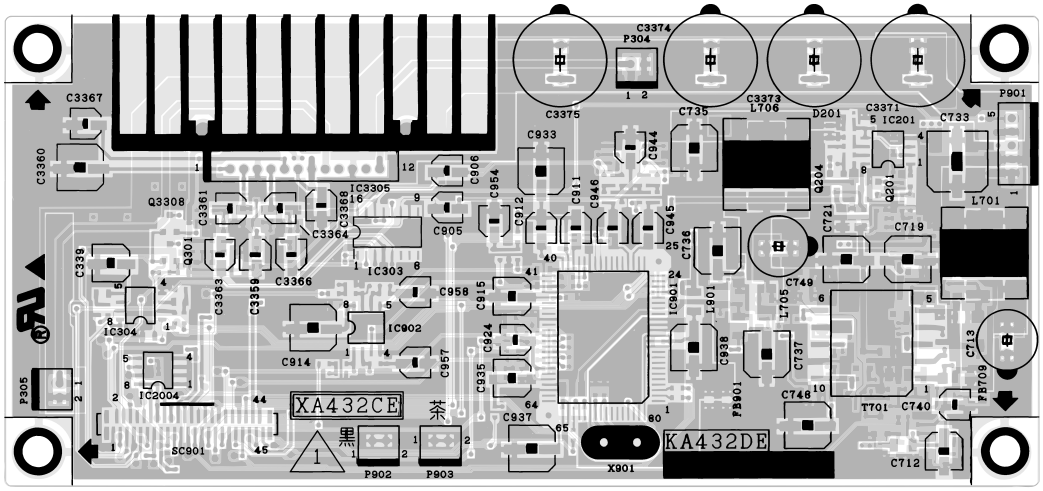
Inverter Unit (Side-B)



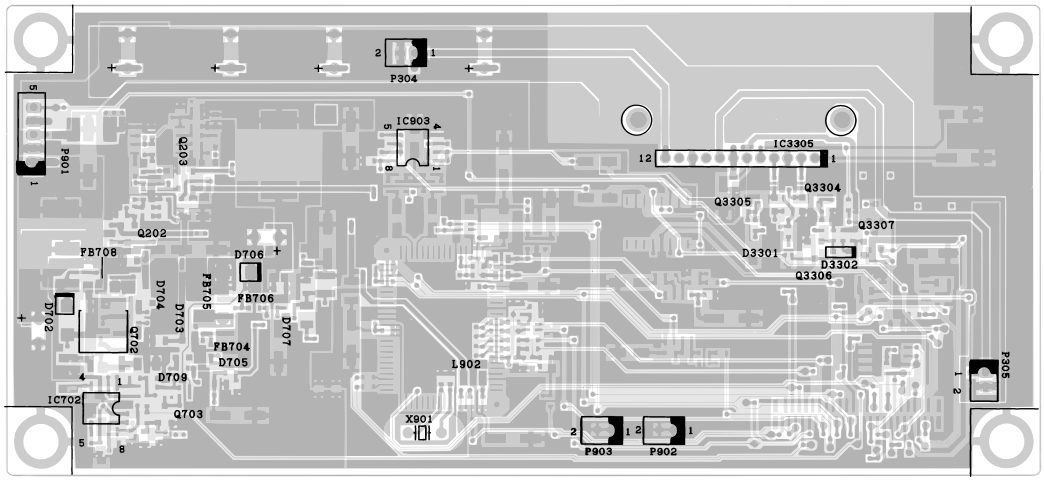
Tuner Unit (Side-A)



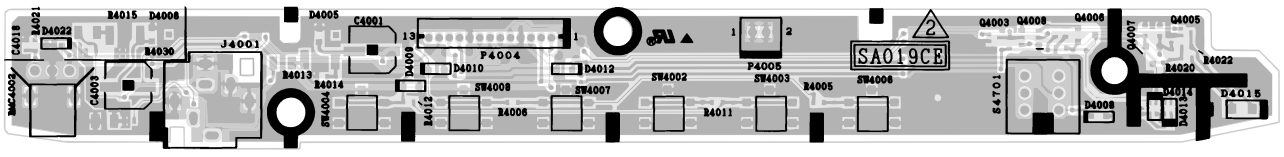
Tuner Unit (Side-B)



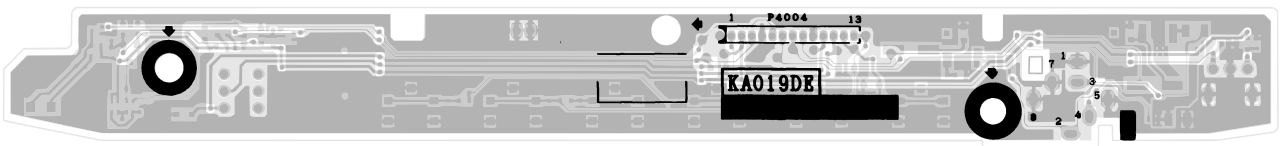
SUB Unit (Side-A)



SUB Unit (Side-B)



Switch Unit (Side-A)



Switch Unit (Side-B)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" and shaded area in the Replacement Parts Lists and schematic diagrams.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

" HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER **2. REF. NO.**
3. PART NO. **4. DESCRIPTION**

MARK★: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code

LCD UNIT

	RLCDT0060CEZZ	J	LCD Unit	EP

LAMP UNIT

⚠	KLMP-0112CEZZ	J	Lamp Unit	BB
⚠	KLMP-0113CEZZ	J	Lamp Unit	BB

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

DUNTKA431DE01	– Main PWB Unit	—
DUNTKA432DE01	– SUB PWB Unit	—
DUNTKA018DE02	– Inverter PWB Unit	—
DUNTKA019DE02	– Switch PWB Unit	—

PRINTED WIRING BOARD ASSEMBLY

	RUNTK0691CEZZ	J	Tuner PWB Unit	CG

Ref. No.	Part No.	★	Description	Code

DUNTKA431DE01 MAIN PWB UNIT

INTEGRATED CIRCUITS

IC401	VHiBA7046F/-1	J	BA7046F	AF
IC402	VHiNJM2235M-1	J	NJM2235M	AE
IC751	VHiAN77L05M-1	J	AN77L05M	AG
IC752	VHiBA033FP/-1	J	BA033FP	AG
IC801	VHiVPC3230D-1	J	VPC3230D	BG
IC1101	VHiMB8346BV-1	J	MB8346BV	AN
IC1102	VHiNJM4565V-1	J	NJM4565V	AF
IC1103	VHiNJM4565V-1	J	NJM4565V	AF
IC1104	VHiNJM4565V-1	J	NJM4565V	AF
IC1105	VHiBU4053V/-1	J	BU4053V	AE
IC1106	VHiNJM4580V-1	J	NJM4580V	AE
IC1107	VHiNJM4580V-1	J	NJM4580V	AE
IC1108	VHiNJM4580V-1	J	NJM4580V	AE
IC1109	VHiNJM353M/-1	J	NJM353M	AG
IC1110	VHiBU4053V/-1	J	BU4053V	AE
IC1201	RH-iX3378CEZZ	J	IX3378CE	AY
IC1202	VHiPD485505-2	J	PD485505	AY
IC1203	VHiTC4W53U/-1	J	TC4W53U	AF
IC1204	VHiTC4024BF-1	J	TC4024BF	AG
IC1205	VHiTC4052BF-1	J	TC4052BF	AE
IC2001	RH-iX3483CEZZ	J	IX3483CE	BA
IC2002	VHiPST529DM-1	J	PST529DM	AE
IC2006	VHiTC7W04U/-1	J	TC7W04U	AD
IC2007	VHiTC4W53U/-1	J	TC4W53U	AF

TRANSISTORS

Q401	VS2SC2712Y/-1	J	2SC2712Y	AB
Q751	VS2SA1162Y/-1	J	2SA1162Y	AB
Q752	VSDTC144EE/-1	J	DTC144EE	AA
Q753	VS2SA1162Y/-1	J	2SA1162Y	AB
Q758	VSFMMT718//-1	J	FMMT718	AE
Q759	VSDTC144EE/-1	J	DTC144EE	AA
Q1101	VS2SA1729//-1	J	2SA1729	AF
Q1102	VS2SC4520//-1	J	2SC4520	AE
Q1201	VSDTC144EE/-1	J	DTC144EE	AA
Q1202	VSDTC144EE/-1	J	DTC144EE	AA
Q2004	VSDTC144EE/-1	J	DTC144EE	AA
Q2005	VSDTA144EE/-1	J	DTA144EE	AA
Q2006	VSDTC144EE/-1	J	DTC144EE	AA
Q3600	VSUPA606T//-1	J	UPA606T	AD
Q3601	VSUPA606T//-1	J	UPA606T	AD
Q3602	VSUPA606T//-1	J	UPA606T	AD
Q3603	VSDTC114YE/-1	J	DTC114YE	AB

DIODES

D760	VHDDAN222//-1	J	DAN222	AA
D803	VHDDAN222//-1	J	DAN222	AA
D1101	VHD1SS250//1E	J	1SS250	AB
D1201	VHDDAN222//-1	J	DAN222	AA
D2001	VHDDAN222//-1	J	DAN222	AA
D3600	VHDiMN10///-1	J	IMN10	AB
D3601	VHDiMN10///-1	J	IMN10	AB
D3602	VHDiMN10///-1	J	IMN10	AB
D3603	VHDiMN10///-1	J	IMN10	AB

PACKAGED CIRCUIT

X801	RCRSC0012CEZZ	J	Crystal, CRSC0012CEZ	AH

FILTER

X2002	RFiLZ0169TAZZ	J	Filter, FiLZ0169TA	AD

COILS

L401	VP-9N4R7KR56N	J	Peaking, 4.7µH	AC
L402	VP-9N4R7KR56N	J	Peaking, 4.7µH	AC
L803	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L804	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L805	RCiLC0055CEZZ	J	Coill, CiLC0055CE	AD
L1201	VP-1M470J5R4N	J	Peaking, 47µH	AC
L1202	VP-1M470J5R4N	J	Peaking, 47µH	AC
L1203	VP-1M220J2R9N	J	Peaking, 22µH	AC

Ref. No.	Part No.	★	Description	Code
DUNTKA431DE01 MAIN PWB UNIT(Continued)				
L1204	VP-1M220J2R9N	J	Peaking, 22µH	AC
L1205	VP-1M220J2R9N	J	Peaking, 22µH	AC
CAPACITORS				
C401	VCKYTV1AB105K	J	1 10V Ceramic	AD
C402	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C403	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C404	VCEAPF1AW476M	J	47 10V Electrolytic	AB
C405	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C406	VCKYTV1AB105K	J	1 10V Ceramic	AD
C407	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C408	VCKYTV1AB105K	J	1 10V Ceramic	AD
C409	VCKYTV1AB105K	J	1 10V Ceramic	AD
C410	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C412	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C413	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C414	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C751	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C752	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C753	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C755	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C756	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C798	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C801	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C802	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C803	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C804	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C805	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C806	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C809	VCEAPK1CN107M	J	100 16V Electrolytic	AD
C810	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C811	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C812	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C813	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C814	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C815	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C816	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C817	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C818	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C819	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C820	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C821	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C822	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C823	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C826	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C827	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C830	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C831	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C832	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C833	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C834	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C835	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C836	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C837	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C838	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C839	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C840	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C883	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C884	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C1101	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1102	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1103	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1104	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1105	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1106	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1107	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1108	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1109	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1110	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1111	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1112	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1113	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1115	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1116	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1117	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1118	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1119	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C1120	VCKYTV1EF104Z	J	0.1 25V Ceramic	AB
C1122	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C1123	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1124	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1125	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C1126	RC-EZ1141CEZZ★	J	15 16V Electrolytic	AG
C1202	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1203	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1204	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C1205	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C1206	VCEAPF1HN106M	J	10 50V Electrolytic	AD
C1207	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1208	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C1209	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1210	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C1211	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1212	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1213	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1214	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C1215	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C1216	VCEAPF1VW226M	J	22 35V Electrolytic	AB
C1218	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C1219	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1220	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1222	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2001	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2002	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2003	VCEAPF1HW105M	J	1 50V Electrolytic	AB
C2006	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2007	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2009	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2010	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2016	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2017	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2026	VCCCCY1HH470J	J	47p 50V Ceramic	AA
C3600	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3601	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3602	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3603	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3604	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3605	VCKYTV1CF105Z	J	1 16V Ceramic	AB
RESISTORS				
R401	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R402	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R403	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R405	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R406	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R408	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R409	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R410	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R414	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R415	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R416	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R417	VRS-CY1JF270J	J	27 1/16W Metal Oxide	AA
R418	VRS-CY1JF270J	J	27 1/16W Metal Oxide	AA
R419	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R460	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R463	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R751	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R752	VRS-CY1JF154J	J	150k 1/16W Metal Oxide	AA
R753	VRS-CY1JF274J	J	270k 1/16W Metal Oxide	AA
R775	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R776	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R777	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R787	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R788	VRS-TW2ED102J	J	1k 1/4W Metal Oxide	AA
R789	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA431DE01 MAIN PWB UNIT(Continued)				
R790	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R791	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R801	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R802	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R803	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R804	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R810	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R811	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R812	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R813	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R814	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R815	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R816	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R819	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R820	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R821	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R822	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R824	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R825	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R826	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R836	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R838	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R840	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R850	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R869	VRS-CY1JF153J	J	56k 1/16W Metal Oxide	AA
R870	VRS-CY1JF563J	J	15k 1/16W Metal Oxide	AA
R1101	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1102	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1103	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1104	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1105	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1106	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1107	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1108	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1109	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1112	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1113	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1114	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1115	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1116	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1117	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1118	VRS-CY1JF823F	J	82k 1/16W Metal Oxide	AA
R1119	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1120	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1121	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1122	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1123	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1124	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1125	VRS-TW2ED101J	J	100 1/4W Metal Oxide	AA
R1126	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1127	VRS-TX2HF3R9J	J	3.9 1/2W Metal Oxide	AB
R1128	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R1129	VRS-CY1JF563F	J	56k 1/16W Metal Oxide	AA
R1130	VRS-TW2ED1R5J	J	1.5 1/4W Metal Oxide	AB
R1131	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R1132	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1133	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R1134	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R1135	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1138	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1202	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1203	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1204	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1205	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1206	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1207	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1208	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R1209	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1210	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R1211	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1212	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1213	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1214	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1216	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1217	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1218	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1219	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1220	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1221	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R1222	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1223	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1225	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1230	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1231	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1232	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1233	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1234	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1237	VRS-TW2ED472J	J	4.7k 1/4W Metal Oxide	AA
R2001	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2003	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2007	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2008	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2009	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2010	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2011	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2012	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R2013	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2014	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2015	VRS-CB1JF331J	J	330 1/16W Metal Oxide	AC
R2016	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2017	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R2018	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2019	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R2020	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R2022	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2025	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2026	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2027	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2028	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2029	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2030	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R2033	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2041	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2050	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2051	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2052	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2053	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2064	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2068	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2072	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2085	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2086	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2087	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R2089	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3600	VRS-CA1JF332J✶	J	3.3k 1/16W Metal Oxide	AB
R3601	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R3602	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3603	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R3604	VRS-CA1JF104J	J	100k 1/16W Metal Oxide	AA
R3605	VRS-CB1JF562J	J	5.6k 1/16W Metal Oxide	AC
R3606	VRS-CA1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3607	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R3610	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
BALUNES				
FB801	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB802	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB1201	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB1203	RBLN-0076TAZZ	J	Balun, BLN-0076TA	AC

Ref. No.	Part No.	★	Description	Code
DUNTKA431DE01 MAIN PWB UNIT(Continued)				
MISCELLANEOUS PARTS				
P2002	QPLGN1320REZZ	J	Plug, 13Pin	AC
P2003	QPLGN1320REZZ	J	Plug, 13Pin	AC
P3601	QPLGN0378GEZZ	J	Plug, 3Pin	AB
P3602	QPLGN0378GEZZ	J	Plug, 3Pin	AB
P3603	QPLGN0278GEZZ	J	Plug, 2Pin	AA
P3604	QPLGN0278GEZZ	J	Plug, 2Pin	AA
SC402	QSOCN0493FJZZ	J	Socket, 45Pin	AG
SC801	QSOCN0224FJZZ	J	Socket, 20Pin	AE
SC1201	QSOCN0461FJZZ	J	Socket, 53Pin	AH
SC1202	QSOCN0206FJZZ	J	Socket, 30Pin	AF
SC2001	QSOCN0464FJZZ	J	Socket, 50Pin	AH
DUNTKA432DE01 SUB PWB UNIT				
INTEGRATED CIRCUITS				
IC201	VHiNJM2147M-1	J	NJM2147M	AF
IC303	VHiNJM2283F-1	J	NJM2283F	AF
IC304	VHiBH3543F+-1	J	BH3543F+	AE
IC702	VHiNJM2377M-1	J	NJM2377M	AK
IC901	RH-iX3371CEZZ	J	IX3371CE	BD
IC902	VHiNJM4560M-1	J	NJM4560M	AG
IC903	VHiNJM4560M-1	J	NJM4560M	AG
IC2004	VHiBR24C08F-1	J	BR24C08F	AF
IC3305	VHiLA4635A+-1S	J	LA4635A+	AM
TRANSISTORS				
Q201	VS2SC2712Y/-1	J	2SC2712Y	AB
Q202	VS2SC2712Y/-1	J	2SC2712Y	AB
Q203	VSFMY3/////-1	J	FMY3	AB
Q204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q301	VSDTC314TK/-1	J	DTC314TK	AC
Q702	VS2SK2503//-1	J	2SK2503	AE
Q703	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3304	VSDTC314TK/-1	J	DTC314TK	AC
Q3305	VSDTC314TK/-1	J	DTC314TK	AC
Q3306	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3307	VSDTC314TK/-1	J	DTC314TK	AC
Q3308	VSDTC314TK/-1	J	DTC314TK	AC
DIODES				
D201	VHDDAN222//-1	J	DAN222	AA
D702	VHDSFPB56//2E	J	SFPB56	AC
D703	VHD1SS250//1E	J	1SS250	AB
D704	VHD1SS250//1E	J	1SS250	AB
D705	VHDDAN222//-1	J	DAN222	AA
D706	VHDSFPB74//2E	J	SFPB74	AD
D707	VHDDAN222//-1	J	DAN222	AA
D709	VHDDAN222//-1	J	DAN222	AA
D3301	VHDDAN222//-1	J	DAN222	AA
D3302	RH-EX1396CEZZ	J	Zener Diode, 6.8V	AB
PACKAGED CIRCUIT				
X901	RCRSB0250GEZZ	J	Crystal, CRSB0250GE	AG
COILS				
L701	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L705	RCiLC0057CEZZ	J	Coil, CiLC0057CE	AD
L706	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L901	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L902	VP-1M101J7R7N	J	Peaking, 100µH	AC
TRANSFORMER				
⚠ T701	RTRNZ0778CEZZ	J	Transformer	AM
CAPACITORS				
C201	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C203	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C204	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C206	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C334	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C335	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C336	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C337	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C338	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C339	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C340	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C701	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C706	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C710	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C711	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
C712	VCEAPT1CN226M	J	22 16V Electrolytic	AC
C713	RC-EZ1176CEZZ	J	100 16V Electrolytic	AK
C716	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C719	RC-EZ0420CEZZ	J	100 25V Electrolytic	AE
C721	VCEASD1HN336M	J	33 50V Electrolytic	AD
C722	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C728	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C729	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C731	VCCCCY1HH181J	J	180p 50V Ceramic	AA
C733	RC-EZ0538CEZZ	J	330 16V Electrolytic	AE
C734	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C735	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C736	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C737	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C738	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C740	VCEAPF1EN475M	J	4.7 25V Electrolytic	AC
C741	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C747	VCKYTV1HB562K	J	5600p 50V Ceramic	AA
C748	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C749	RC-EZ1177CEZZ	J	150 6.3V Electrolytic	AH
C902	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C905	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C906	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C909	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C910	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C911	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C912	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C913	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C914	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C915	VCEAPF0JW336M	J	33 6.3V Electrolytic	AB
C916	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C919	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C920	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C921	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C922	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C923	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C924	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C925	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C927	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C928	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C929	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C930	VCCCCY1HH5R0C	J	5p 50V Ceramic	AA
C931	VCCCCY1HH5R0C	J	5p 50V Ceramic	AA
C932	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C933	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C935	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C937	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C938	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C939	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C940	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C941	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C942	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C943	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C944	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C945	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C946	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C954	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C955	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C956	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C957	VCEAPF1EW475M	J	4.7 25V Electrolytic	AB

Ref. No.	Part No.	★	Description			Code
DUNTKA432DE01 SUB PWB UNIT(Continued)						
C958	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C961	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C962	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C963	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C964	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C965	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C3359	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3360	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C3361	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C3362	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C3363	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3364	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C3365	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C3366	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3367	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3368	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3370	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C3371	VCEA4U1CN228M	J	2200	16V	Electrolytic	AE
C3373	VCEA4U1CN228M	J	2200	16V	Electrolytic	AE
C3374	VCEA4U1CN228M	J	2200	16V	Electrolytic	AE
RESISTORS						
R201	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R202	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R203	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R204	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R205	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R206	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R207	VRS-CY1JF622F	J	6.2k	1/16W	Metal Oxide	AA
R208	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R209	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R210	VRS-CY1JF242F	J	2.4k	1/16W	Metal Oxide	AA
R211	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R212	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R213	VRS-CY1JF682F	J	6.8k	1/16W	Metal Oxide	AA
R214	VRS-CY1JF122F	J	1.2k	1/16W	Metal Oxide	AA
R215	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R216	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R217	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R218	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R219	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R220	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R301	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R302	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R341	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R345	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R346	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R347	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R452	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R453	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R454	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R455	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R456	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R457	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R705	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R706	VRS-CR3AD821J	J	820	1W	Metal Oxide	AC
R708	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R709	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R711	VRS-CY1JF184J	J	180k	1/16W	Metal Oxide	AA
R712	VRS-CY1JF683F	J	68k	1/16W	Metal Oxide	AA
R713	VRS-CY1JF133F	J	13k	1/16W	Metal Oxide	AA
R715	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R717	VRS-CY1JF152F	J	1.5k	1/16W	Metal Oxide	AA
R718	VRS-CY1JF274J	J	270k	1/16W	Metal Oxide	AA
R719	VRS-CY1JF563F	J	56k	1/16W	Metal Oxide	AA
R720	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R721	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R722	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R723	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R724	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R729	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R731	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R732	VRS-TW2ED222J	J	2.2k	1/4W	Metal Oxide	AA
R733	VRS-TQ2BD683J	J	68k	1/8W	Metal Oxide	AA
R734	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R735	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R736	VRS-CY1JF1R0J	J	1	1/16W	Metal Oxide	AA
R741	VRS-TQ2BD1R0J	J	1	1/8W	Metal Oxide	AA
R742	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R747	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R748	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R901	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R902	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R903	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R905	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R909	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R910	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R913	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R914	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R915	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R916	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R917	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R918	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R919	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R920	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R921	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R922	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R923	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R924	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R925	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R951	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R952	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R954	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R955	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R958	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R959	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R960	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R961	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R962	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R963	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R964	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R965	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R966	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R967	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R968	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R969	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R3341	VRS-CA1JF000J	J	0	1/16W	Metal Oxide	AB
R3358	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R3360	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R3361	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R3362	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3363	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3364	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R3365	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3366	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3368	VRS-CR3AD1R0J	J	1	1W	Metal Oxide	AC
R3370	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R3371	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R3372	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3373	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
BALUNES						
FB702	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB703	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB704	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB705	RBLN-0095CEZZ	J	Balun, BLN-0095CE			AD
FB706	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB708	RBLN-0095CEZZ	J	Balun, BLN-0095CE			AD
FB709	RBLN-0090CEZZ	J	Balun, BLN-0090CE			AD
MISCELLANEOUS PARTS						
	PRDAR3241CEFW	J	Heat Sink			AG
P304	QPLGN0278GEZZ	J	Plug, 2Pin			AA
P305	QPLGN0278GEZZ	J	Plug, 2Pin			AA
P901	QPLGN0578GEZZ	J	Plug, 5Pin			AB
P902	QPLGN0278GEZZ	J	Plug, 2Pin			AA

Ref. No.	Part No.	★	Description	Code
DUNTKA432DE01 SUB PWB UNIT(Continued)				
P903	QPLGN0278GEZZ	J	Plug, 2Pin	AA
SC901	QSOCN0493FJZZ	J	Socket, 45Pin	AG
DUNTKA018DE02 INVERTER PWB UNIT				
TRANSISTORS				
Q7751	VSFZT1053A/-1	J	FZT1053A	AG
Q7752	VSFZT1053A/-1	J	FZT1053A	AG
Q7753	VSFZT1053A/-1	J	FZT1053A	AG
Q7754	VSFZT1053A/-1	J	FZT1053A	AG
Q7755	VS2SA1037KQ-1	J	2SA1037KQ	AA
COILS				
L7752	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
L7753	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
L7755	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
L7756	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
TRANSFORMERS				
⚠ T7751	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7752	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7753	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7754	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7755	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7756	RTRNZ0776CEZZ	J	Transformer	AM
CAPACITORS				
C7752	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
C7756	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
C7759	VCKYCY1HF393Z	J	0.039 50V Ceramic	AB
C7760	VCKYCY1HF393Z	J	0.039 50V Ceramic	AB
C7761	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C7762	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C7763	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C7764	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
C7765	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
RESISTORS				
R7751	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7752	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7753	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7754	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7755	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R7756	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
MISCELLANEOUS PARTS				
⚠ FH7751	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH7752	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ F7751	QFS-C5022CEZZ	J	Fuse, 5A	AD
P7751	QPLGN0447FJZZ	J	Plug, 3Pin	AE
P7753	QPLGN0447FJZZ	J	Plug, 3Pin	AE
P7755	QPLGN0578GEZZ	J	Plug, 5Pin	AB
DUNTKA019DE02 SWITCH PWB UNIT				
TRANSISTORS				
Q4003	VSDTC144EE/-1	J	DTC144EE	AA
Q4006	VS2SC2712Y/-1	J	2SC2712Y	AB
Q4007	VS2SC2712Y/-1	J	2SC2712Y	AB
Q4008	VSUPA606T//-1	J	UPA606T	AD
DIODES AND LED'S				
D4005	VHDMA3120WA-1	J	MA3120WA	AK
D4006	VHDMA3120WA-1	J	MA3120WA	AK
D4008	RH-EX0891CEZZ	J	Zener Diode	AC
D4009	RH-EX0879CEZZ	J	Zener Diode	AD
D4010	RH-EX0879CEZZ	J	Zener Diode	AD
D4012	RH-EX0879CEZZ	J	Zener Diode	AD
D4013	RH-PX0421CEZZ	J	PhotoDiode	AD
D4014	RH-PX0421CEZZ	J	PhotoDiode	AD
D4022	RH-EX0879CEZZ	J	Zener Diode	AD
CAPACITORS				
C4001	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C4003	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C4018	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C4020	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C4021	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
RESISTORS				
R4005	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4006	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4011	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4012	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4013	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R4014	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4015	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R4016	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4021	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4023	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R4024	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R4025	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4026	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4027	VRS-CY1JF820J	J	82 1/16W Metal Oxide	AA
R4028	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R4029	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R4030	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
BALUNES				
FB4020	RBLN-0062CEZZ	J	Balun, BLN-0062CE	AC
FB4021	RBLN-0062CEZZ	J	Balun, BLN-0062CE	AC
SWITCHES				
SW4002	QSW-K0087GEZZ	J	Switch, Select▼	AC
SW4003	QSW-K0087GEZZ	J	Switch, Select▲	AC
SW4004	QSW-K0087GEZZ	J	Switch, Menu	AC
SW4006	QSW-K0087GEZZ	J	Switch, AV Input	AC
SW4007	QSW-K0087GEZZ	J	Switch, Vol(-)	AC
SW4008	QSW-K0087GEZZ	J	Switch, Vol(+)	AC
S4701	QSW-P0614CEZZ	J	Switch	AF
MISCELLANEOUS PARTS				
	PSLDM4647CEFW	J	Shield	AD
	QEARZ0043CEZZ	J	Ground-Part	AC
J4001	QJAKJ0063CEZZ	J	Jack	AF
P4004	QPLGN1320REZZ	J	Plug, 13Pin	AC
P4005	QPLGN0278GEZZ	J	Plug, 2Pin	AA
RMC4002	RRMCU0239CEZZ	J	Remote Receiver	AG

Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

	LHLDW1028GEZZ	J	Cable Clamp	AB
⚠	QACCK0002TAZZ	J	AC Cord	AM
	RRMCG1621CESA	J	Remote Control	AU
	SSAKA0160CEZZ	J	Operation Manual Polyethylene Bag	AB
	TiNS-7266CEZZ	J	Operation Manual	AY
⚠	UADP-0218CEZZ	J	AC Adaptor	BU

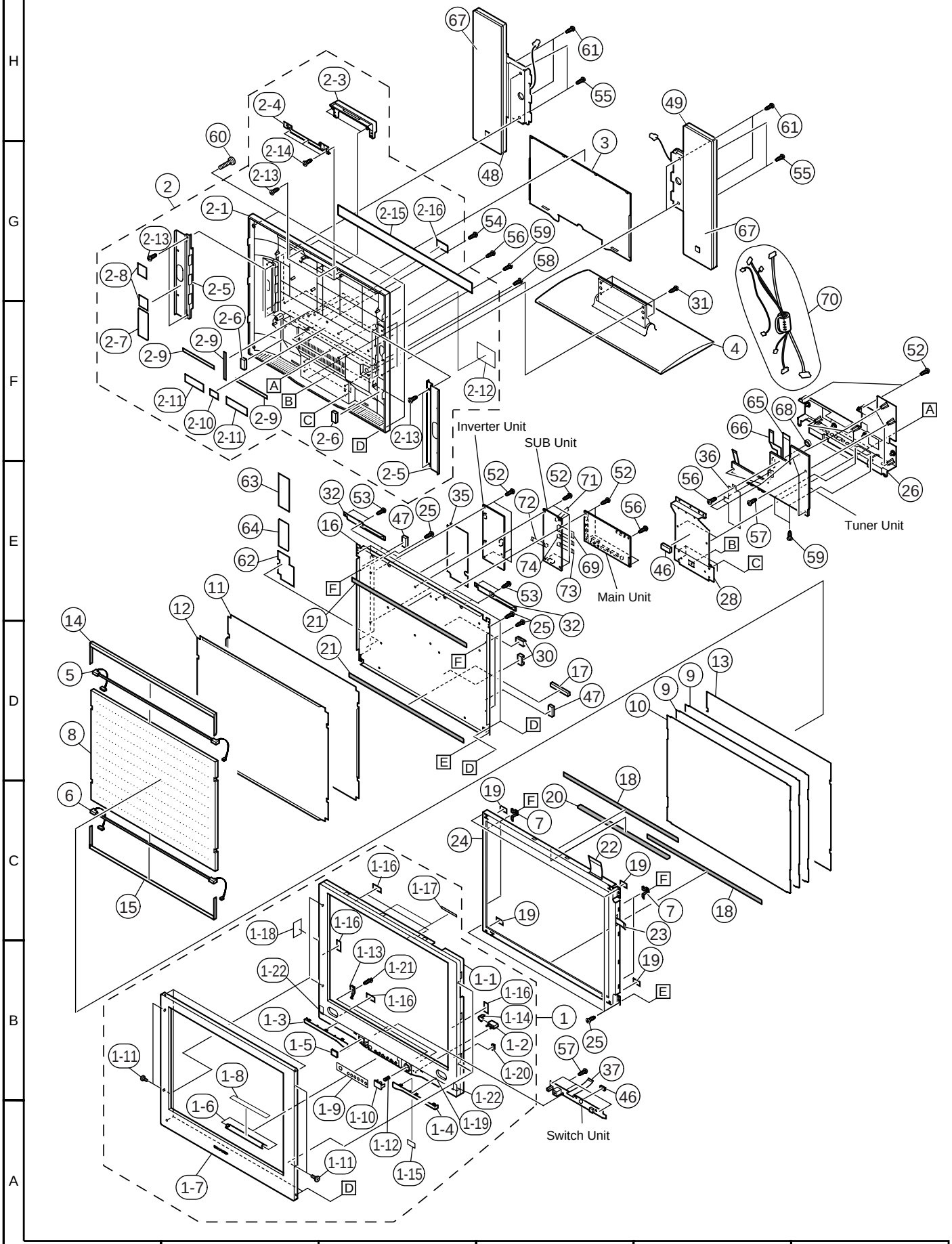
PACKING PARTS
(NOT REPLACEMENT ITEM)

	SPAKC5503CEZZ	–	Packing Case	—
	SPAKF0421CEZZ	–	Reinforcing Pad	—
	SPAKF0504CEZZ	–	Reinforcing Pad	—
	SPAKF0508CEZZ	–	Polyethylen Sheet	—
	SPAKP0905CEZZ	–	Wrapping Paper	—
	SPAKX2940CEZZ	–	Buffer Material	—
	TCAUZ1039CEZZ	–	Carry Caution Card	—
	TLABK0023TAZZ	–	No. Label	—

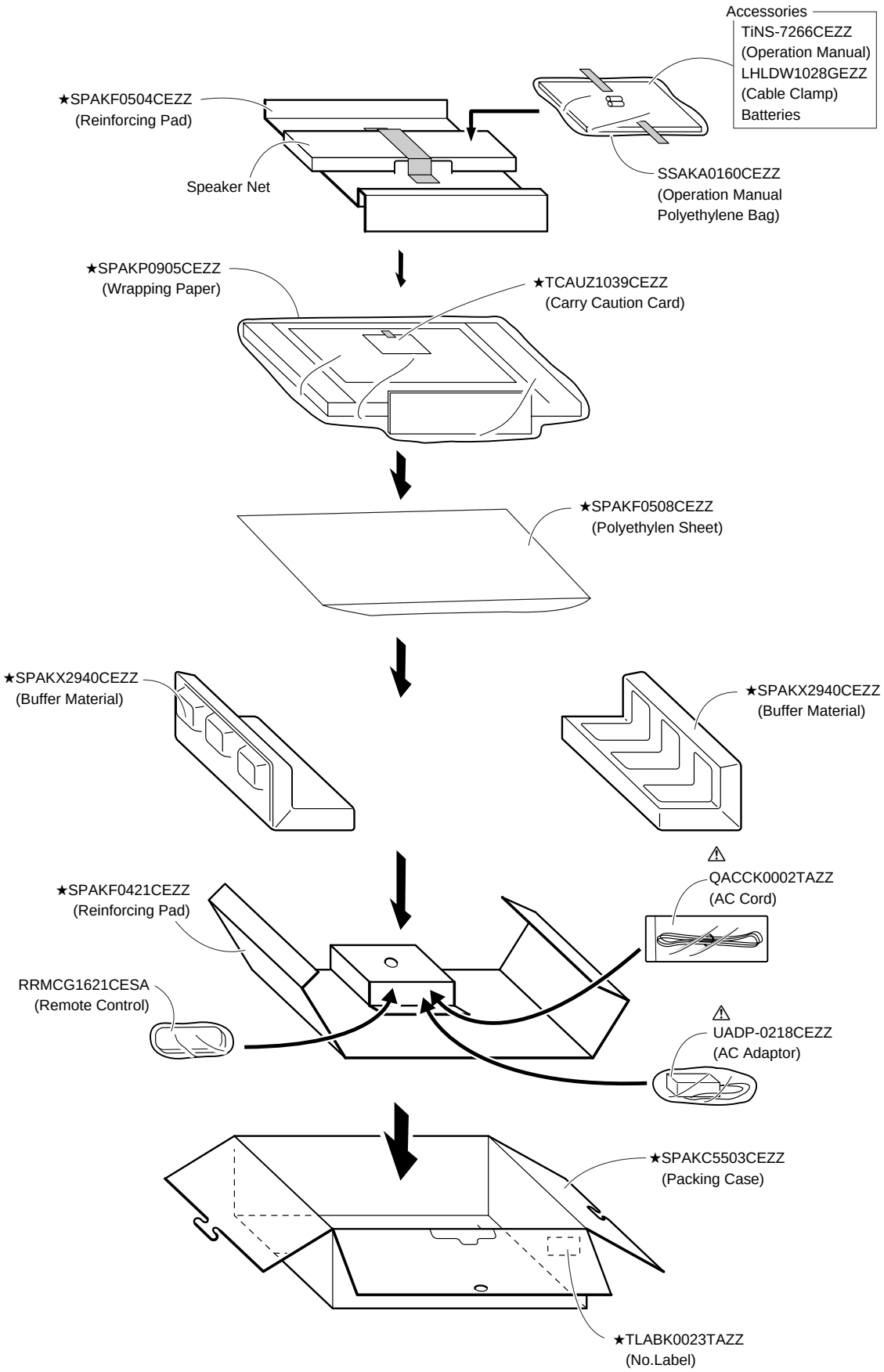
CABINET PARTS LIST

1	CCABA2380CE08	J	Cabinet A Ass'y	BX
1-1	*Not Available*	–	Cabinet A	—
1-2	GCOVA1808CEZZ	J	Cover, LED	AE
1-3	GCOVA1798CESA	J	Cover, Front (L)	AF
1-4	GCOVA1950CEKA	J	Cover, Front(R)	AG
1-5	GCOVA1932CESA	J	Cover, IR Filter	AC
1-6	GDORF2048CEKA	J	Front Door	AF
1-7	HDECA0763CESA	J	Decoration Panel	BW
1-8	HiNDP5714CESA	J	Indicator	AD
1-9	HiNDP5715CESA	J	Indicator	AD
1-10	JBTN-2069CEKA	J	Power Button	AF
1-11	LX-HZ3111CEFN	J	Screw, x4	AB
1-12	MSPRC0203CEFW	J	Spring for Power Button	AC
1-13	MSPRP0204CEFW	J	Spring, for Door	AD
1-14	PMLT-0356CEZZ	J	Absorber	AB
1-15	PSHEP0027CEZZ	J	Sheet	AA
1-16	PSPAH0623CEZZ	J	Spacer, x6	AB
1-17	PSPAH0624CEZZ	J	Spacer, x2	AB
1-18	PSPAK0024CEKZ	J	Spacer	AC
1-19	PSPAZ0315CEZZ	J	Spacer	AD
1-20	QEARZ0026CEZZ	J	Grounding Part	AC
1-21	XESSF30P08000	J	Screw	AA
1-22	PSPAZ0316CEZZ	J	Spacer, x2	AD
2	CCABB2304CE01	J	Cabinet B Ass'y	BL
2-1	*Not Available*	–	Cabinet B	—
2-3	JHNDP0102CEKA	J	Handle	AT
2-4	LANGU9046CEFW	J	Fixing Angle	AF
2-5	LANGU9047CEFW	J	Fixing Angle, x2	AP
2-6	PMLT-0355CEZZ	J	Light Shielding Spacer, x2	AC
2-7	PSPAG0342CE00	J	Spacer	AD
2-8	PSPAG0343CE00	J	Spacer, x2	AC
2-9	PSPAH0621CEZZ	J	Spacer, x3	AB
2-10	PSPAH0624CEZZ	J	Spacer	AB
2-11	PSPAH0632CEZZ	J	Spacer, x2	AC
2-12	TCAUH1190CEZZ	J	Caution Label	AD
2-13	XEBSD30P08000	J	Screw, x6	AA
2-14	XEBSD40P10000	J	Screw, x3	AA
2-15	HiNDP5716CESA	J	Model Label	AF
2-16	TLABN0304CEZZ	J	No. Label	AF
3	CCOVA1800CE02	J	Terminal Cover Ass'y	AT
4	CCOVA1811CE01	J	Stand Ass'y	BR
⚠ 5	KLMP-0112CEZZ	J	Lamp, Upper	BB
⚠ 6	KLMP-0113CEZZ	J	Lamp, Lower	BB
7	LANGQ9206CEFW	J	Fixing Angle, x4	AF
8	PGiDM0058CEZZ	J	Lamp Guide Plate	BK
9	PSHEP0179CEZZ	J	Diffusion Sheet, x2	AS
10	PSHEP0180CEZZ	J	Reflection Polarizing Sheet	BR
11	PSHEP0186CEZZ	J	Reflection Sheet-1	AN
12	PSHEP0187CEZZ	J	Reflection Sheet-2	AN
13	PSHEP0222CEZZ	J	ITO Sheet	AZ
14	PSHEP0223CEZZ	J	Lamp Reflection Sheet-1	AL
15	PSHEP0224CEZZ	J	Lamp Reflection Sheet-2	AL
16	PSLDM4653CEFW	J	Shield Panel	AT
17	PSPAG0338CEZZ	J	Spacer	AB
18	PSPAK0003CEZZ	J	Spacer-3, x2	AG
19	PSPAK0004CEZZ	J	Spacer-4, x4	AB
20	PSPAZ0311CEZZ	J	Spacer-2	AF
21	PSPAZ0381CEZZ	J	Spacer-1, x2	AF
22	QCNW-5299CEZZ	J	Connecting Cord	AH
23	QCNW-5673CEZZ	J	Connecting Cord	AG
24	RLCDT0060CEZZ	J	LCD Unit	EP
25	XBBSD30P06000	J	Screw, x8	AA
26	GCOVA1948CEKA	J	Tuner PWB Holder	AN
28	LANGU9080CEFW	J	Reinforcing Angle	AP
30	LHLDW1173CEZZ	J	Wire Holder, x4	AD
31	LX-BZ0120CEFF	J	Screw, for Stand, x4	AD
32	PRDAR1552CEFW	J	Heat Sink, x2	AH
35	PZETK0138CEZZ	J	Insulating Sheet	AH
36	PSLDC3122CEFW	J	Shield	AF
37	QCNW-5153CEZZ	J	KZY SW-Main	AM
46	QEARZ0017CEZZ	J	Ground-Part, x2	AC
47	QEARZ0039CEZZ	J	Ground-Part, x2	AD
48	RSP-Z0107CEN7	J	Speaker (L)	BK
49	RSP-Z0107CEN8	J	Speaker (R)	BK
52	XBBSD30P06000	J	Screw, x12	AA
53	XBBSF30P04000	J	Screw, x4	AA
54	XBBSF30P08000	J	Screw, x6	AA
55	XBBSF40P25000	J	Screw, x4	AA
56	XBPSD30P06JS0	J	Screw, x2	AA
57	XEBSD30P08000	J	Screw, x8	AA
58	XEBSD40P10000	J	Screw, x2	AA
59	XEBSF30P08000	J	Screw, x6	AA
60	XEBSF40P16000	J	Screw, x5	AA
61	XTBSF30P12000	J	Screw, x4	AA
62	CZETK0094CE01	J	Insulator	AH
63	CZETK0135CE02	J	Insulator	AG
64	CZETK0135CE01	J	Insulator	AK
65	QCNW-5860CEZZ	J	Main (50FFC) Tuner	AH
66	QCNW-5861CEZZ	J	Main (20FFC) Tuner	AG
67	CPNLS1031CE03	J	SP Net Unit(B/R)	BG
68	XNESD30-24000	J	Nut	AA
69	QCNW-5859CEZZ	J	Main<45FFC>SUB	AE
70	QCNW-5862CEZZ	J	Power 4 Connecte	AP
71	QCNW-5877CEZZ	J	SP-R	AE
72	QCNW-5910CEZZ	J	SP-L	AE
73	QCNW-5911CEZZ	J	P3904-P902	AD
74	QCNW-5912CEZZ	J	P4005-P903	AD

CABINET AND MECHANICAL PARTS



PACKING OF THE SET



★ Not Replacement Item

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SHARP SERVICE MANUAL

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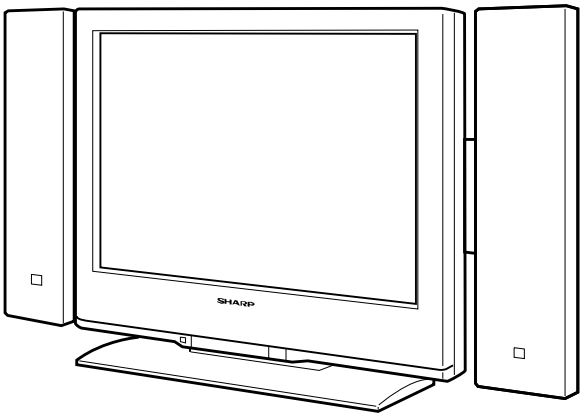

LCD COLOUR TELEVISION

MODEL LC-20A2E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" and shaded area in the Replacement Parts Lists and schematic diagrams.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

" HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER **2. REF. NO.**
3. PART NO. **4. DESCRIPTION**

MARK★: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code

LCD UNIT

	RLCDT0060CEZZ	J	LCD Unit	EP

LAMP UNIT

⚠	KLMP-0112CEZZ	J	Lamp Unit	BB
⚠	KLMP-0113CEZZ	J	Lamp Unit	BB

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

DUNTKA431DE01	– Main PWB Unit	—
DUNTKA432DE01	– SUB PWB Unit	—
DUNTKA018DE02	– Inverter PWB Unit	—
DUNTKA019DE02	– Switch PWB Unit	—

PRINTED WIRING BOARD ASSEMBLY

	RUNTK0691CEZZ	J	Tuner PWB Unit	CG

Ref. No.	Part No.	★	Description	Code

DUNTKA431DE01 MAIN PWB UNIT

INTEGRATED CIRCUITS

IC401	VHiBA7046F/-1	J	BA7046F	AF
IC402	VHiNJM2235M-1	J	NJM2235M	AE
IC751	VHiAN77L05M-1	J	AN77L05M	AG
IC752	VHiBA033FP/-1	J	BA033FP	AG
IC801	VHiVPC3230D-1	J	VPC3230D	BG
IC1101	VHiMB8346BV-1	J	MB8346BV	AN
IC1102	VHiNJM4565V-1	J	NJM4565V	AF
IC1103	VHiNJM4565V-1	J	NJM4565V	AF
IC1104	VHiNJM4565V-1	J	NJM4565V	AF
IC1105	VHiBU4053V/-1	J	BU4053V	AE
IC1106	VHiNJM4580V-1	J	NJM4580V	AE
IC1107	VHiNJM4580V-1	J	NJM4580V	AE
IC1108	VHiNJM4580V-1	J	NJM4580V	AE
IC1109	VHiNJM353M/-1	J	NJM353M	AG
IC1110	VHiBU4053V/-1	J	BU4053V	AE
IC1201	RH-iX3378CEZZ	J	IX3378CE	AY
IC1202	VHiPD485505-2	J	PD485505	AY
IC1203	VHiTC4W53U/-1	J	TC4W53U	AF
IC1204	VHiTC4024BF-1	J	TC4024BF	AG
IC1205	VHiTC4052BF-1	J	TC4052BF	AE
IC2001	RH-iX3483CEZZ	J	IX3483CE	BA
IC2002	VHiPST529DM-1	J	PST529DM	AE
IC2006	VHiTC7W04U/-1	J	TC7W04U	AD
IC2007	VHiTC4W53U/-1	J	TC4W53U	AF

TRANSISTORS

Q401	VS2SC2712Y/-1	J	2SC2712Y	AB
Q751	VS2SA1162Y/-1	J	2SA1162Y	AB
Q752	VSDTC144EE/-1	J	DTC144EE	AA
Q753	VS2SA1162Y/-1	J	2SA1162Y	AB
Q758	VSFMMT718//-1	J	FMMT718	AE
Q759	VSDTC144EE/-1	J	DTC144EE	AA
Q1101	VS2SA1729//-1	J	2SA1729	AF
Q1102	VS2SC4520//-1	J	2SC4520	AE
Q1201	VSDTC144EE/-1	J	DTC144EE	AA
Q1202	VSDTC144EE/-1	J	DTC144EE	AA
Q2004	VSDTC144EE/-1	J	DTC144EE	AA
Q2005	VSDTA144EE/-1	J	DTA144EE	AA
Q2006	VSDTC144EE/-1	J	DTC144EE	AA
Q3600	VSUPA606T//-1	J	UPA606T	AD
Q3601	VSUPA606T//-1	J	UPA606T	AD
Q3602	VSUPA606T//-1	J	UPA606T	AD
Q3603	VSDTC114YE/-1	J	DTC114YE	AB

DIODES

D760	VHDDAN222//-1	J	DAN222	AA
D803	VHDDAN222//-1	J	DAN222	AA
D1101	VHD1SS250//1E	J	1SS250	AB
D1201	VHDDAN222//-1	J	DAN222	AA
D2001	VHDDAN222//-1	J	DAN222	AA
D3600	VHDiMN10///-1	J	IMN10	AB
D3601	VHDiMN10///-1	J	IMN10	AB
D3602	VHDiMN10///-1	J	IMN10	AB
D3603	VHDiMN10///-1	J	IMN10	AB

PACKAGED CIRCUIT

X801	RCRSC0012CEZZ	J	Crystal, CRSC0012CEZ	AH

FILTER

X2002	RFiLZ0169TAZZ	J	Filter, FiLZ0169TA	AD

COILS

L401	VP-9N4R7KR56N	J	Peaking, 4.7µH	AC
L402	VP-9N4R7KR56N	J	Peaking, 4.7µH	AC
L803	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L804	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L805	RCiLC0055CEZZ	J	Coill, CiLC0055CE	AD
L1201	VP-1M470J5R4N	J	Peaking, 47µH	AC
L1202	VP-1M470J5R4N	J	Peaking, 47µH	AC
L1203	VP-1M220J2R9N	J	Peaking, 22µH	AC

Ref. No.	Part No.	★	Description	Code
DUNTKA431DE01 MAIN PWB UNIT(Continued)				
L1204	VP-1M220J2R9N	J	Peaking, 22µH	AC
L1205	VP-1M220J2R9N	J	Peaking, 22µH	AC
CAPACITORS				
C401	VCKYTV1AB105K	J	1 10V Ceramic	AD
C402	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C403	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C404	VCEAPF1AW476M	J	47 10V Electrolytic	AB
C405	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C406	VCKYTV1AB105K	J	1 10V Ceramic	AD
C407	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C408	VCKYTV1AB105K	J	1 10V Ceramic	AD
C409	VCKYTV1AB105K	J	1 10V Ceramic	AD
C410	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C412	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C413	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C414	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C751	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C752	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C753	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C755	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C756	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C798	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C801	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C802	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C803	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C804	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C805	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C806	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C809	VCEAPK1CN107M	J	100 16V Electrolytic	AD
C810	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C811	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C812	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C813	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C814	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C815	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C816	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C817	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C818	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C819	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C820	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C821	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C822	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C823	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C826	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C827	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C830	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C831	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C832	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C833	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C834	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C835	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C836	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C837	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C838	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C839	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C840	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C883	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C884	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C1101	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1102	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1103	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1104	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1105	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1106	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1107	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1108	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1109	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1110	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1111	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1112	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1113	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1115	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1116	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1117	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1118	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1119	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C1120	VCKYTV1EF104Z	J	0.1 25V Ceramic	AB
C1122	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C1123	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1124	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1125	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C1126	RC-EZ1141CEZZ★	J	15 16V Electrolytic	AG
C1202	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1203	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1204	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C1205	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C1206	VCEAPF1HN106M	J	10 50V Electrolytic	AD
C1207	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1208	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C1209	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1210	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C1211	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1212	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1213	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1214	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C1215	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C1216	VCEAPF1VW226M	J	22 35V Electrolytic	AB
C1218	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C1219	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1220	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1222	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2001	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2002	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2003	VCEAPF1HW105M	J	1 50V Electrolytic	AB
C2006	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2007	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2009	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2010	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2016	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2017	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2026	VCCCCY1HH470J	J	47p 50V Ceramic	AA
C3600	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3601	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3602	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3603	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3604	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C3605	VCKYTV1CF105Z	J	1 16V Ceramic	AB
RESISTORS				
R401	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R402	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R403	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R405	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R406	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R408	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R409	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R410	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R414	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R415	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R416	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R417	VRS-CY1JF270J	J	27 1/16W Metal Oxide	AA
R418	VRS-CY1JF270J	J	27 1/16W Metal Oxide	AA
R419	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R460	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R463	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R751	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R752	VRS-CY1JF154J	J	150k 1/16W Metal Oxide	AA
R753	VRS-CY1JF274J	J	270k 1/16W Metal Oxide	AA
R775	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R776	VRS-CY1JF1R0J	J	1 1/16W Metal Oxide	AA
R777	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R787	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R788	VRS-TW2ED102J	J	1k 1/4W Metal Oxide	AA
R789	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA431DE01 MAIN PWB UNIT(Continued)				
R790	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R791	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R801	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R802	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R803	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R804	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R810	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R811	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R812	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R813	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R814	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R815	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R816	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R819	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R820	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R821	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R822	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R824	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R825	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R826	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R836	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R838	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R840	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R850	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R869	VRS-CY1JF153J	J	56k 1/16W Metal Oxide	AA
R870	VRS-CY1JF563J	J	15k 1/16W Metal Oxide	AA
R1101	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1102	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1103	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1104	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1105	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1106	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1107	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1108	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R1109	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1112	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1113	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1114	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1115	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1116	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1117	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1118	VRS-CY1JF823F	J	82k 1/16W Metal Oxide	AA
R1119	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1120	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1121	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1122	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1123	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1124	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1125	VRS-TW2ED101J	J	100 1/4W Metal Oxide	AA
R1126	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1127	VRS-TX2HF3R9J	J	3.9 1/2W Metal Oxide	AB
R1128	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R1129	VRS-CY1JF563F	J	56k 1/16W Metal Oxide	AA
R1130	VRS-TW2ED1R5J	J	1.5 1/4W Metal Oxide	AB
R1131	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R1132	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1133	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R1134	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R1135	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1138	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1202	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1203	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1204	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1205	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1206	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1207	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1208	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R1209	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1210	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R1211	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1212	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1213	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1214	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1216	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1217	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1218	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1219	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1220	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1221	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R1222	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1223	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1225	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1230	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1231	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1232	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1233	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1234	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1237	VRS-TW2ED472J	J	4.7k 1/4W Metal Oxide	AA
R2001	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2003	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2007	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2008	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2009	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2010	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2011	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2012	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R2013	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2014	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2015	VRS-CB1JF331J	J	330 1/16W Metal Oxide	AC
R2016	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2017	VRS-CA1JF102J	J	1k 1/16W Metal Oxide	AA
R2018	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2019	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R2020	VRS-CY1JF105J	J	1M 1/16W Metal Oxide	AA
R2022	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2025	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2026	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2027	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2028	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2029	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2030	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R2033	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2041	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2050	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2051	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2052	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2053	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2064	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2068	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2072	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2085	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2086	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2087	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R2089	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3600	VRS-CA1JF332J✶	J	3.3k 1/16W Metal Oxide	AB
R3601	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R3602	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3603	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R3604	VRS-CA1JF104J	J	100k 1/16W Metal Oxide	AA
R3605	VRS-CB1JF562J	J	5.6k 1/16W Metal Oxide	AC
R3606	VRS-CA1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3607	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R3610	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
BALUNES				
FB801	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB802	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB1201	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB1203	RBLN-0076TAZZ	J	Balun, BLN-0076TA	AC

Ref. No.	Part No.	★	Description	Code
DUNTKA431DE01 MAIN PWB UNIT(Continued)				
MISCELLANEOUS PARTS				
P2002	QPLGN1320REZZ	J	Plug, 13Pin	AC
P2003	QPLGN1320REZZ	J	Plug, 13Pin	AC
P3601	QPLGN0378GEZZ	J	Plug, 3Pin	AB
P3602	QPLGN0378GEZZ	J	Plug, 3Pin	AB
P3603	QPLGN0278GEZZ	J	Plug, 2Pin	AA
P3604	QPLGN0278GEZZ	J	Plug, 2Pin	AA
SC402	QSOCN0493FJZZ	J	Socket, 45Pin	AG
SC801	QSOCN0224FJZZ	J	Socket, 20Pin	AE
SC1201	QSOCN0461FJZZ	J	Socket, 53Pin	AH
SC1202	QSOCN0206FJZZ	J	Socket, 30Pin	AF
SC2001	QSOCN0464FJZZ	J	Socket, 50Pin	AH
DUNTKA432DE01 SUB PWB UNIT				
INTEGRATED CIRCUITS				
IC201	VHiNJM2147M-1	J	NJM2147M	AF
IC303	VHiNJM2283F-1	J	NJM2283F	AF
IC304	VHiBH3543F+-1	J	BH3543F+	AE
IC702	VHiNJM2377M-1	J	NJM2377M	AK
IC901	RH-iX3371CEZZ	J	IX3371CE	BD
IC902	VHiNJM4560M-1	J	NJM4560M	AG
IC903	VHiNJM4560M-1	J	NJM4560M	AG
IC2004	VHiBR24C08F-1	J	BR24C08F	AF
IC3305	VHiLA4635A+-1S	J	LA4635A+	AM
TRANSISTORS				
Q201	VS2SC2712Y/-1	J	2SC2712Y	AB
Q202	VS2SC2712Y/-1	J	2SC2712Y	AB
Q203	VSFMY3/////-1	J	FMY3	AB
Q204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q301	VSDTC314TK/-1	J	DTC314TK	AC
Q702	VS2SK2503//-1	J	2SK2503	AE
Q703	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3304	VSDTC314TK/-1	J	DTC314TK	AC
Q3305	VSDTC314TK/-1	J	DTC314TK	AC
Q3306	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3307	VSDTC314TK/-1	J	DTC314TK	AC
Q3308	VSDTC314TK/-1	J	DTC314TK	AC
DIODES				
D201	VHDDAN222//-1	J	DAN222	AA
D702	VHDSFPB56//2E	J	SFPB56	AC
D703	VHD1SS250//1E	J	1SS250	AB
D704	VHD1SS250//1E	J	1SS250	AB
D705	VHDDAN222//-1	J	DAN222	AA
D706	VHDSFPB74//2E	J	SFPB74	AD
D707	VHDDAN222//-1	J	DAN222	AA
D709	VHDDAN222//-1	J	DAN222	AA
D3301	VHDDAN222//-1	J	DAN222	AA
D3302	RH-EX1396CEZZ	J	Zener Diode, 6.8V	AB
PACKAGED CIRCUIT				
X901	RCRSB0250GEZZ	J	Crystal, CRSB0250GE	AG
COILS				
L701	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L705	RCiLC0057CEZZ	J	Coil, CiLC0057CE	AD
L706	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L901	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L902	VP-1M101J7R7N	J	Peaking, 100µH	AC
TRANSFORMER				
⚠ T701	RTRNZ0778CEZZ	J	Transformer	AM
CAPACITORS				
C201	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C203	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C204	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C206	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C334	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C335	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C336	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C337	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C338	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C339	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C340	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C701	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C706	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C710	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C711	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
C712	VCEAPT1CN226M	J	22 16V Electrolytic	AC
C713	RC-EZ1176CEZZ	J	100 16V Electrolytic	AK
C716	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C719	RC-EZ0420CEZZ	J	100 25V Electrolytic	AE
C721	VCEASD1HN336M	J	33 50V Electrolytic	AD
C722	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C728	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C729	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C731	VCCCCY1HH181J	J	180p 50V Ceramic	AA
C733	RC-EZ0538CEZZ	J	330 16V Electrolytic	AE
C734	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C735	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C736	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C737	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C738	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C740	VCEAPF1EN475M	J	4.7 25V Electrolytic	AC
C741	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C747	VCKYTV1HB562K	J	5600p 50V Ceramic	AA
C748	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C749	RC-EZ1177CEZZ	J	150 6.3V Electrolytic	AH
C902	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C905	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C906	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C909	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C910	VCKYCY1HB682K	J	6800p 50V Ceramic	AA
C911	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C912	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C913	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C914	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C915	VCEAPF0JW336M	J	33 6.3V Electrolytic	AB
C916	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C919	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C920	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C921	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C922	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C923	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C924	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C925	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C927	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C928	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C929	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C930	VCCCCY1HH5R0C	J	5p 50V Ceramic	AA
C931	VCCCCY1HH5R0C	J	5p 50V Ceramic	AA
C932	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C933	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C935	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C937	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C938	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C939	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C940	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C941	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C942	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C943	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C944	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C945	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C946	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C954	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C955	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C956	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C957	VCEAPF1EW475M	J	4.7 25V Electrolytic	AB

Ref. No.	Part No.	★	Description			Code
DUNTKA432DE01 SUB PWB UNIT(Continued)						
C958	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C961	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C962	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C963	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C964	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C965	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C3359	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3360	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C3361	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C3362	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C3363	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3364	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C3365	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C3366	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3367	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3368	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3370	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C3371	VCEA4U1CN228M	J	2200	16V	Electrolytic	AE
C3373	VCEA4U1CN228M	J	2200	16V	Electrolytic	AE
C3374	VCEA4U1CN228M	J	2200	16V	Electrolytic	AE
RESISTORS						
R201	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R202	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R203	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R204	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R205	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R206	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R207	VRS-CY1JF622F	J	6.2k	1/16W	Metal Oxide	AA
R208	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R209	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R210	VRS-CY1JF242F	J	2.4k	1/16W	Metal Oxide	AA
R211	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R212	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R213	VRS-CY1JF682F	J	6.8k	1/16W	Metal Oxide	AA
R214	VRS-CY1JF122F	J	1.2k	1/16W	Metal Oxide	AA
R215	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R216	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R217	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R218	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R219	VRS-TV1JD103J	J	10k	1/10W	Metal Oxide	AA
R220	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R301	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R302	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R341	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R345	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R346	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R347	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R452	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R453	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R454	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R455	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R456	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R457	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R705	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R706	VRS-CR3AD821J	J	820	1W	Metal Oxide	AC
R708	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R709	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R711	VRS-CY1JF184J	J	180k	1/16W	Metal Oxide	AA
R712	VRS-CY1JF683F	J	68k	1/16W	Metal Oxide	AA
R713	VRS-CY1JF133F	J	13k	1/16W	Metal Oxide	AA
R715	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R717	VRS-CY1JF152F	J	1.5k	1/16W	Metal Oxide	AA
R718	VRS-CY1JF274J	J	270k	1/16W	Metal Oxide	AA
R719	VRS-CY1JF563F	J	56k	1/16W	Metal Oxide	AA
R720	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R721	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R722	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R723	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R724	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R729	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R731	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R732	VRS-TW2ED222J	J	2.2k	1/4W	Metal Oxide	AA
R733	VRS-TQ2BD683J	J	68k	1/8W	Metal Oxide	AA
R734	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R735	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R736	VRS-CY1JF1R0J	J	1	1/16W	Metal Oxide	AA
R741	VRS-TQ2BD1R0J	J	1	1/8W	Metal Oxide	AA
R742	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R747	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R748	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R901	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R902	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R903	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R905	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R909	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R910	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R913	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R914	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R915	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R916	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R917	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R918	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R919	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R920	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R921	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R922	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R923	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R924	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R925	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R951	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R952	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R954	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R955	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R958	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R959	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R960	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R961	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R962	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R963	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R964	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R965	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R966	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R967	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R968	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R969	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R3341	VRS-CA1JF000J	J	0	1/16W	Metal Oxide	AB
R3358	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R3360	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R3361	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R3362	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3363	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3364	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R3365	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3366	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R3368	VRS-CR3AD1R0J	J	1	1W	Metal Oxide	AC
R3370	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R3371	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R3372	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3373	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
BALUNES						
FB702	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB703	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB704	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB705	RBLN-0095CEZZ	J	Balun, BLN-0095CE			AD
FB706	RBLN-0051TAZZ	J	Balun, BLN-0051TA			AC
FB708	RBLN-0095CEZZ	J	Balun, BLN-0095CE			AD
FB709	RBLN-0090CEZZ	J	Balun, BLN-0090CE			AD
MISCELLANEOUS PARTS						
	PRDAR3241CEFW	J	Heat Sink			AG
P304	QPLGN0278GEZZ	J	Plug, 2Pin			AA
P305	QPLGN0278GEZZ	J	Plug, 2Pin			AA
P901	QPLGN0578GEZZ	J	Plug, 5Pin			AB
P902	QPLGN0278GEZZ	J	Plug, 2Pin			AA

Ref. No.	Part No.	★	Description	Code
DUNTKA432DE01 SUB PWB UNIT(Continued)				
P903	QPLGN0278GEZZ	J	Plug, 2Pin	AA
SC901	QSOCN0493FJZZ	J	Socket, 45Pin	AG
DUNTKA018DE02 INVERTER PWB UNIT				
TRANSISTORS				
Q7751	VSFZT1053A/-1	J	FZT1053A	AG
Q7752	VSFZT1053A/-1	J	FZT1053A	AG
Q7753	VSFZT1053A/-1	J	FZT1053A	AG
Q7754	VSFZT1053A/-1	J	FZT1053A	AG
Q7755	VS2SA1037KQ-1	J	2SA1037KQ	AA
COILS				
L7752	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
L7753	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
L7755	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
L7756	RCiLC0153CEZZ	J	Coil, CiLC0153CEZ	AG
TRANSFORMERS				
⚠ T7751	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7752	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7753	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7754	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7755	RTRNZ0776CEZZ	J	Transformer	AM
⚠ T7756	RTRNZ0776CEZZ	J	Transformer	AM
CAPACITORS				
C7752	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
C7756	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
C7759	VCKYCY1HF393Z	J	0.039 50V Ceramic	AB
C7760	VCKYCY1HF393Z	J	0.039 50V Ceramic	AB
C7761	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C7762	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C7763	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C7764	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
C7765	RC-FZ0175CEZZ	J	0.15 100V M.Polypro Film	AG
RESISTORS				
R7751	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7752	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7753	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7754	VRS-TW2ED332J	J	3.3k 1/4W Metal Oxide	AB
R7755	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R7756	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
MISCELLANEOUS PARTS				
⚠ FH7751	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH7752	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ F7751	QFS-C5022CEZZ	J	Fuse, 5A	AD
P7751	QPLGN0447FJZZ	J	Plug, 3Pin	AE
P7753	QPLGN0447FJZZ	J	Plug, 3Pin	AE
P7755	QPLGN0578GEZZ	J	Plug, 5Pin	AB
DUNTKA019DE02 SWITCH PWB UNIT				
TRANSISTORS				
Q4003	VSDTC144EE/-1	J	DTC144EE	AA
Q4006	VS2SC2712Y/-1	J	2SC2712Y	AB
Q4007	VS2SC2712Y/-1	J	2SC2712Y	AB
Q4008	VSUPA606T//-1	J	UPA606T	AD
DIODES AND LED'S				
D4005	VHDMA3120WA-1	J	MA3120WA	AK
D4006	VHDMA3120WA-1	J	MA3120WA	AK
D4008	RH-EX0891CEZZ	J	Zener Diode	AC
D4009	RH-EX0879CEZZ	J	Zener Diode	AD
D4010	RH-EX0879CEZZ	J	Zener Diode	AD
D4012	RH-EX0879CEZZ	J	Zener Diode	AD
D4013	RH-PX0421CEZZ	J	PhotoDiode	AD
D4014	RH-PX0421CEZZ	J	PhotoDiode	AD
D4022	RH-EX0879CEZZ	J	Zener Diode	AD
CAPACITORS				
C4001	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C4003	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C4018	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C4020	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C4021	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
RESISTORS				
R4005	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4006	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4011	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4012	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4013	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R4014	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4015	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R4016	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4021	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4023	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R4024	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R4025	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4026	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4027	VRS-CY1JF820J	J	82 1/16W Metal Oxide	AA
R4028	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R4029	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R4030	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
BALUNES				
FB4020	RBLN-0062CEZZ	J	Balun, BLN-0062CE	AC
FB4021	RBLN-0062CEZZ	J	Balun, BLN-0062CE	AC
SWITCHES				
SW4002	QSW-K0087GEZZ	J	Switch, Select▼	AC
SW4003	QSW-K0087GEZZ	J	Switch, Select▲	AC
SW4004	QSW-K0087GEZZ	J	Switch, Menu	AC
SW4006	QSW-K0087GEZZ	J	Switch, AV Input	AC
SW4007	QSW-K0087GEZZ	J	Switch, Vol(-)	AC
SW4008	QSW-K0087GEZZ	J	Switch, Vol(+)	AC
S4701	QSW-P0614CEZZ	J	Switch	AF
MISCELLANEOUS PARTS				
	PSLDM4647CEFW	J	Shield	AD
	QEARZ0043CEZZ	J	Ground-Part	AC
J4001	QJAKJ0063CEZZ	J	Jack	AF
P4004	QPLGN1320REZZ	J	Plug, 13Pin	AC
P4005	QPLGN0278GEZZ	J	Plug, 2Pin	AA
RMC4002	RRMCU0239CEZZ	J	Remote Receiver	AG

Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

	LHLDW1028GEZZ	J	Cable Clamp	AB
⚠	QACCK0002TAZZ	J	AC Cord	AM
	RRMCG1621CESA	J	Remote Control	AU
	SSAKA0160CEZZ	J	Operation Manual Polyethylene Bag	AB
	TiNS-7266CEZZ	J	Operation Manual	AY
⚠	UADP-0218CEZZ	J	AC Adaptor	BU

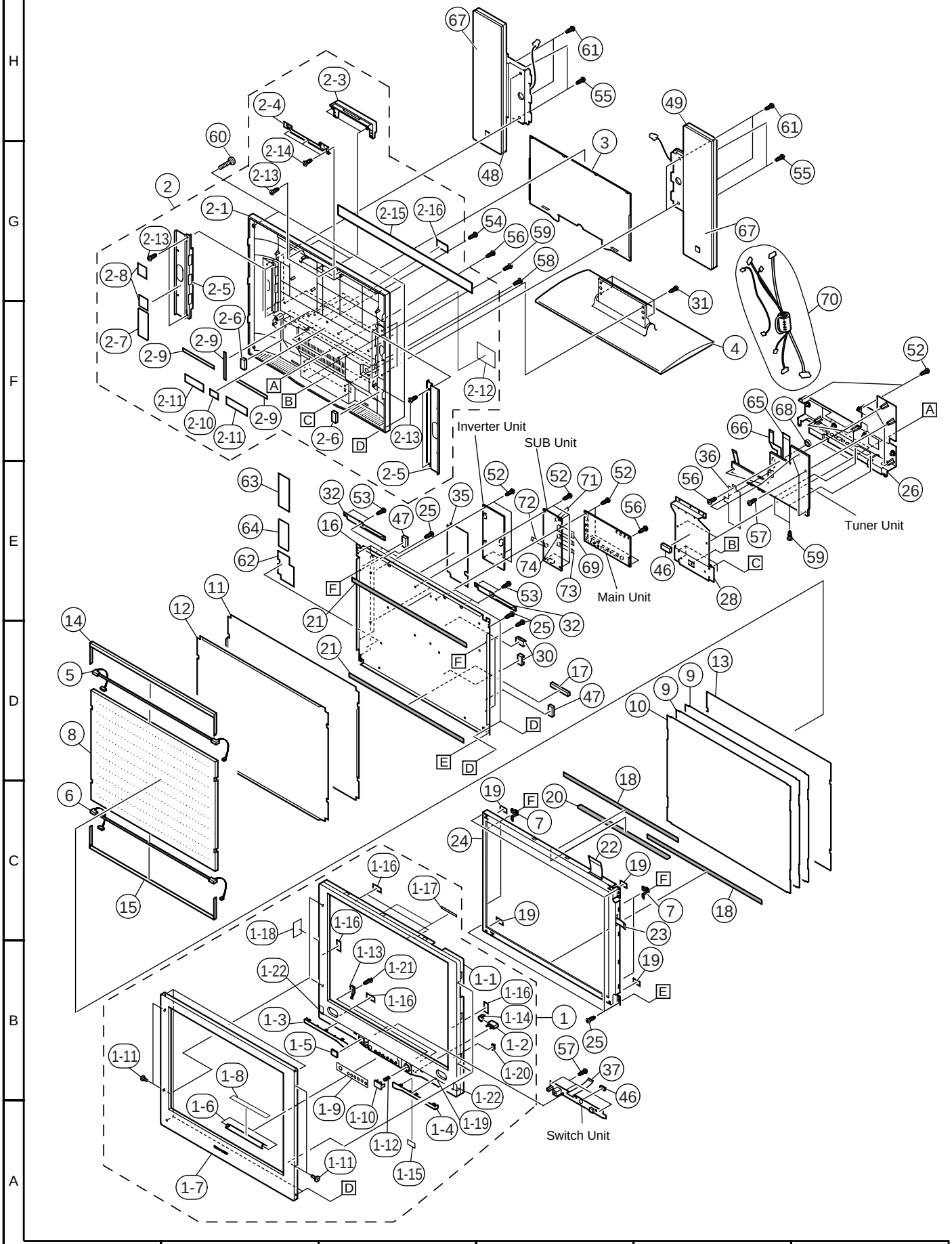
PACKING PARTS
(NOT REPLACEMENT ITEM)

	SPAKC5503CEZZ	–	Packing Case	—
	SPAKF0421CEZZ	–	Reinforcing Pad	—
	SPAKF0504CEZZ	–	Reinforcing Pad	—
	SPAKF0508CEZZ	–	Polyethylen Sheet	—
	SPAKP0905CEZZ	–	Wrapping Paper	—
	SPAKX2940CEZZ	–	Buffer Material	—
	TCAUZ1039CEZZ	–	Carry Caution Card	—
	TLABK0023TAZZ	–	No. Label	—

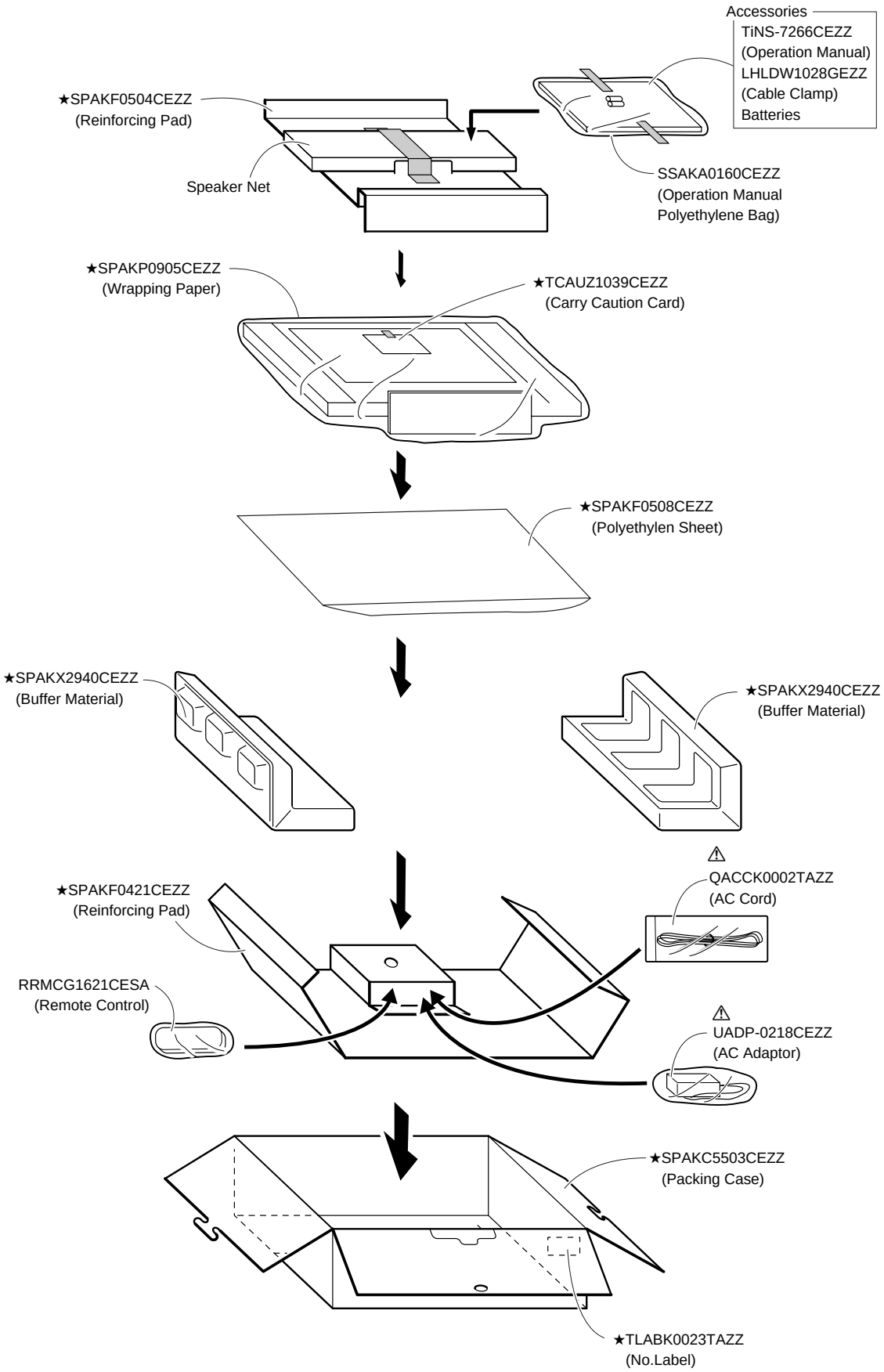
CABINET PARTS LIST

1	CCABA2380CE08	J	Cabinet A Ass'y	BX
1-1	*Not Available*	–	Cabinet A	—
1-2	GCOVA1808CEZZ	J	Cover, LED	AE
1-3	GCOVA1798CESA	J	Cover, Front (L)	AF
1-4	GCOVA1950CEKA	J	Cover, Front(R)	AG
1-5	GCOVA1932CESA	J	Cover, IR Filter	AC
1-6	GDORF2048CEKA	J	Front Door	AF
1-7	HDECA0763CESA	J	Decoration Panel	BW
1-8	HiNDP5714CESA	J	Indicator	AD
1-9	HiNDP5715CESA	J	Indicator	AD
1-10	JBTN-2069CEKA	J	Power Button	AF
1-11	LX-HZ3111CEFN	J	Screw, x4	AB
1-12	MSPRC0203CEFW	J	Spring for Power Button	AC
1-13	MSPRP0204CEFW	J	Spring, for Door	AD
1-14	PMLT-0356CEZZ	J	Absorber	AB
1-15	PSHEP0027CEZZ	J	Sheet	AA
1-16	PSPAH0623CEZZ	J	Spacer, x6	AB
1-17	PSPAH0624CEZZ	J	Spacer, x2	AB
1-18	PSPAK0024CEKZ	J	Spacer	AC
1-19	PSPAZ0315CEZZ	J	Spacer	AD
1-20	QEARZ0026CEZZ	J	Grounding Part	AC
1-21	XESSF30P08000	J	Screw	AA
1-22	PSPAZ0316CEZZ	J	Spacer, x2	AD
2	CCABB2304CE01	J	Cabinet B Ass'y	BL
2-1	*Not Available*	–	Cabinet B	—
2-3	JHNDP0102CEKA	J	Handle	AT
2-4	LANGU9046CEFW	J	Fixing Angle	AF
2-5	LANGU9047CEFW	J	Fixing Angle, x2	AP
2-6	PMLT-0355CEZZ	J	Light Shielding Spacer, x2	AC
2-7	PSPAG0342CE00	J	Spacer	AD
2-8	PSPAG0343CE00	J	Spacer, x2	AC
2-9	PSPAH0621CEZZ	J	Spacer, x3	AB
2-10	PSPAH0624CEZZ	J	Spacer	AB
2-11	PSPAH0632CEZZ	J	Spacer, x2	AC
2-12	TCAUH1190CEZZ	J	Caution Label	AD
2-13	XEBSD30P08000	J	Screw, x6	AA
2-14	XEBSD40P10000	J	Screw, x3	AA
2-15	HiNDP5716CESA	J	Model Label	AF
2-16	TLABN0304CEZZ	J	No. Label	AF
3	CCOVA1800CE02	J	Terminal Cover Ass'y	AT
4	CCOVA1811CE01	J	Stand Ass'y	BR
⚠ 5	KLMP-0112CEZZ	J	Lamp, Upper	BB
⚠ 6	KLMP-0113CEZZ	J	Lamp, Lower	BB
7	LANGQ9206CEFW	J	Fixing Angle, x4	AF
8	PGiDM0058CEZZ	J	Lamp Guide Plate	BK
9	PSHEP0179CEZZ	J	Diffusion Sheet, x2	AS
10	PSHEP0180CEZZ	J	Reflection Polarizing Sheet	BR
11	PSHEP0186CEZZ	J	Reflection Sheet-1	AN
12	PSHEP0187CEZZ	J	Reflection Sheet-2	AN
13	PSHEP0222CEZZ	J	ITO Sheet	AZ
14	PSHEP0223CEZZ	J	Lamp Reflection Sheet-1	AL
15	PSHEP0224CEZZ	J	Lamp Reflection Sheet-2	AL
16	PSLDM4653CEFW	J	Shield Panel	AT
17	PSPAG0338CEZZ	J	Spacer	AB
18	PSPAK0003CEZZ	J	Spacer-3, x2	AG
19	PSPAK0004CEZZ	J	Spacer-4, x4	AB
20	PSPAZ0311CEZZ	J	Spacer-2	AF
21	PSPAZ0381CEZZ	J	Spacer-1, x2	AF
22	QCNW-5299CEZZ	J	Connecting Cord	AH
23	QCNW-5673CEZZ	J	Connecting Cord	AG
24	RLCDT0060CEZZ	J	LCD Unit	EP
25	XBBSD30P06000	J	Screw, x8	AA
26	GCOVA1948CEKA	J	Tuner PWB Holder	AN
28	LANGU9080CEFW	J	Reinforcing Angle	AP
30	LHLDW1173CEZZ	J	Wire Holder, x4	AD
31	LX-BZ0120CEFF	J	Screw, for Stand, x4	AD
32	PRDAR1552CEFW	J	Heat Sink, x2	AH
35	PZETK0138CEZZ	J	Insulating Sheet	AH
36	PSLDC3122CEFW	J	Shield	AF
37	QCNW-5153CEZZ	J	KZY SW-Main	AM
46	QEARZ0017CEZZ	J	Ground-Part, x2	AC
47	QEARZ0039CEZZ	J	Ground-Part, x2	AD
48	RSP-Z0107CEN7	J	Speaker (L)	BK
49	RSP-Z0107CEN8	J	Speaker (R)	BK
52	XBBSD30P06000	J	Screw, x12	AA
53	XBBSF30P04000	J	Screw, x4	AA
54	XBBSF30P08000	J	Screw, x6	AA
55	XBBSF40P25000	J	Screw, x4	AA
56	XBPSD30P06JS0	J	Screw, x2	AA
57	XEBSD30P08000	J	Screw, x8	AA
58	XEBSD40P10000	J	Screw, x2	AA
59	XEBSF30P08000	J	Screw, x6	AA
60	XEBSF40P16000	J	Screw, x5	AA
61	XTBSF30P12000	J	Screw, x4	AA
62	CZETK0094CE01	J	Insulator	AH
63	CZETK0135CE02	J	Insulator	AG
64	CZETK0135CE01	J	Insulator	AK
65	QCNW-5860CEZZ	J	Main (50FFC) Tuner	AH
66	QCNW-5861CEZZ	J	Main (20FFC) Tuner	AG
67	CPNLS1031CE03	J	SP Net Unit(B/R)	BG
68	XNESD30-24000	J	Nut	AA
69	QCNW-5859CEZZ	J	Main<45FFC>SUB	AE
70	QCNW-5862CEZZ	J	Power 4 Connecte	AP
71	QCNW-5877CEZZ	J	SP-R	AE
72	QCNW-5910CEZZ	J	SP-L	AE
73	QCNW-5911CEZZ	J	P3904-P902	AD
74	QCNW-5912CEZZ	J	P4005-P903	AD

CABINET AND MECHANICAL PARTS



PACKING OF THE SET



★ Not Replacement Item

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SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan